

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

Reserve
A241
R26B

USDA Natl. Ag. Library

B I B L I O G R A P H Y

O N

U. S. DEPT. OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY
RECEIVED

SEP 15 1971

PROCUREMENT SECTION
CURRENT SERIAL RECORDS

S W I N E I M P R O V E M E N T .

V I .

During the Period

1966

U. S. DEPT. OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY

OCT 6 - 1967

CURRENT SERIAL RECORDS

Compiled by

Charles E. Shelby, Director

Regional Swine Breeding Laboratory

Swine Research Branch, AHRD, ARS, USDA

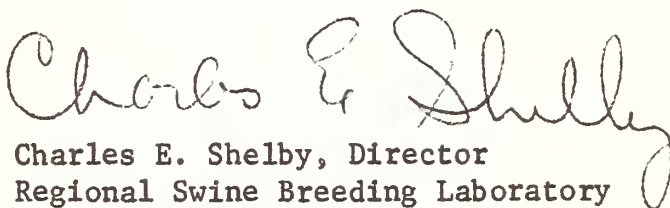
225 Kildee Hall

Ames, Iowa 50010

7-1-67

FOREWORD

Volume VI brings this work up to 1967. Important sources of citation for this volume include Animal Breeding Abstracts, Bibliography of Agriculture, Bibliography of Reproduction, Index of Current Research on Pigs, and Dissertation Abstracts. As usual, a few citations will have been missed. All ABA citations can not be included at this date. Notwithstanding, this list should be reasonably complete and accurate. After completion of additional research at two states, a final revision of Volumes I - V is contemplated.

A handwritten signature in cursive script that reads "Charles E. Shelby". The signature is written in dark ink and is positioned above the printed name and title.

Charles E. Shelby, Director
Regional Swine Breeding Laboratory
225 Kildee Hall
Ames, Iowa

1966

- Aamdal, J. 1966. Artificial insemination of pigs in Norway. Wld. Rev. Anim. Prod. II (Spec.):64-70. (ABA 34:889)
- Adams, J. L., and Smith, W. C. 1966. The use of sample joints in predicting the composition of the pig carcass. Anim. Prod. 8(1):85-94. (ABA 34:2222)
- Adilovic, S. 1966. Variations in some blood characters during the fattening of pigs of various productive types. Eng. Sum. (Serb. Cro.) Vet. (Sarajevo) 15(1):63-75. (ABA 34:3095)
- Ahlschwede, W. T., and Robison, O. W. 1966. Influence of climatic conditions on litter size in swine. (Abs.) J. Anim. Sci. 25:916.
- Aiken, J. M., and Twiehaus, M. J. 1966. Diseases affecting reproduction. U. Nebr. Anim. Sci. Dept., Swine Prog. Rpt. 377. pp. 13-14.
- Ainsworth, L., and Ryan, K. J. 1966. Oestrogen biosynthesis by mammalian placentae in vitro. (pig). 2nd Int. Cong. Hormonal Steroids. Milan. May 8-23. Int. Cong. Series III. Endocrinol. Excerpta Medica Foundation. pp. 289.
- Ajello, P., and Cartella, I. 1966. Histological modifications of the testis in young pigs afflicted with a congenital inguino-scrotal hernia. Eng. Sum. (Ital.) Atti. Soc. Ital. Sci. Vet. 19:396-399.
- Aldrich, P. J., and Downs, D. M. 1966. Palatability and yield of 46 classifications of mild cured hams. Mich. Agr. Expt. Sta. Res. B. 12.
- Allen, Charles Eugene. 1966. Factors related to the deposition and nature of porcine muscle lipids. Diss. Abs. 27:1006B.
- Allen, E., Cassens, R. G., and Bray, R. W. 1966. Sex and weight associated changes in fatty acid composition of porcine muscle lipid. (Abs.) Rpt. 12th Europ. Meat. Res. Conf. Aug. 14-16, 1966 Sandefjord, Norway. Amer. Meat Sci. Assoc. pp. 27-28.
- Allen, E., Forrest, J. C., Chapman, A. B., First, N., Bray, R. W., and Briskey, E. J. 1966. Phenotypic and genetic associations between porcine muscle properties. J. Anim. Sci. 25:962-966. (ABA 35:1574)
- Alsmeyer, R. H., Thornton, J. W., Hiner, R. L., and Bollinger, N. C. 1966. Beef and pork tenderness measured by the press, Warner-Bratzler, and STE methods. Food Technol. 20(5):115-117.
- Anand, A. S., Hoekstra, W. G., and First, N. L. 1966. Effect of aging of boar spermatozoa on cellular loss of DNA. (Abs.) J. Anim. Sci. 25:917.
- Anderson, L. L. 1966. Pituitary-ovarian-uterine relationships in pigs. J. Reprod. Fert. Sup. 1:21-32.

1966

- Anderson, L. L., Dyck, G. W., Mori, H., and Melampy, R. M. 1966. Ovarian function in pituitary stalk-sectioned pigs. (Abs.) J. Anim. Sci. 25:1266-1267.
- Anderson, L. L., Dyck, G. W., and Rathmacher, R. P. 1966. Pituitary gonadotrophic activities following luteal enucleation in the pig. Endocrinol. 78(4):897-900.
- Anderson, L. L., Rathmacher, R. P., and Melampy, R. M. 1966. The uterus and unilateral regression of corpora lutea in the pig. Amer. J. Physiol. 210(3):611-614.
- Anderson, R. R., and McShan, W. H. 1966. LH levels in pig, cow and rat blood plasma during the estrous cycle. Endocrinol. 78:976-982.
- Andresen, E. 1966. Linkage and epistasis exemplified by genetic systems in pigs. (Abs.) Proc. 10th European Anim. Blood Group Cong., The Pasteur Inst. Paris, July 5-8.
- Andresen, E. 1966. Linkage studies with nine blood-group loci in pigs. Genet. 53(5):943-948. (ABA 34:3128)
- Andresen, E. 1966. Blood groups of the I system in pigs. Association with variants of serum amylase. Sci. 153(3744):1660-1661. (ABA 35:163)
- Andresen, E. 1966. Linkage between the K blood-group locus and the Hp locus for hematin-binding globulins in pigs. Genet. 54(3):805-812. (ABA 35:1632)
- Andresen, E. 1966. Additional linkage data involving the C and J blood group loci in pigs. Vox Sang. 11:120-123. (ABA 34:1396)
- Anon. 1966. Nitrogen metabolism and body composition in growing pigs. Prog. Rpt. Natl. Inst. for Res. in Dairying. pp. 37.
- Anon. 1966. Effect of weaning weight, growth rate and carcass length on amount of lean and fat in the carcass. Prog. Rpt. Natl. Inst. for Res. in Dairying. pp. 42.
- Anon. 1966. Water consumption. Prog. Rpt. Natl. Inst. for Res. in Dairying. pp. 37.
- Anon. 1966. Miniature hogs. Agr. Res. 14(7):6-7.
- Anon. 1966. The ultrasonic measurement of carcass quality in performance testing. E.A.A.P. Meet., Aberdeen, Scotland.
- Anon. 1966. Allotopy of serum proteins. 1965-66 Rpt. Dept. Agr. Res., U. Col. North Wales.

1966

- Anon. 1966. Selection for higher carcass lean and better feed conversion efficiency. 1965-66 Rpt. Dept. Agr. Res. U. Col. North Wales.
- Anon. 1966. Index of Pig Research supported by PIDA. PIDA, Jan. London. (ABA 34:2217)
- Anon. 1966. Sarcoplasmic and myofibrillar proteins of pig muscles. 1965-66 Annu. Rpt. The Agr. Inst. Dublin.
- Anon. 1966. Use of pH₁ to assess the potential effect of commercial slaughter methods on meat quality. 1965-66 Annu. Rpt. The Agr. Inst. Dublin.
- Anon. 1966. pH and meat quality. 1965-66 Annu. Rpt. The Agr. Inst. Dublin.
- Anon. 1966. Effect of temperature on the colour of pork meat. 1965-66 Annu. Rpt. The Agr. Inst. Dublin.
- Anon. 1966. 'Thirty-third report of the committee for pig breeding and for the supervision of litter testing, 1965. The Netherlands. Eng. Sum. 159 pp. (ABA 35:552)
- Anon. 1966. Artificial insemination in pigs. Rpt. Min. Agr. Fish. and Food. 1964. pp. 115-119. (ABA 35:602)
- Anon. 1966. Study of pale watery pork. 1965-66 Annu. Rpt., The Agr. Inst. Dublin.
- Anon. 1966. R.O.P. testing of S.P.F. pigs in Alberta. Canad. Swine 28(1):3-5.
- Anon. 1966. Genetic effect of irradiating swine. I. Introduction. II. Paternal irradiation effects on viability and growth. III. Studies of behavior and other traits in pigs. IV. Studies of qualitative traits. 7th Annu. Rpt. Antigenic Lab. Iowa State U. Dept. Anim. Sci. July 1966.
- Anon. 1966. Our panel reports; what are the major reproductive problems of swine in your practice and how do you manage them? Mod. Vet. Pract. 47(8):65-66, 68.
- Anon. 1966. More research needed on two A. I. problems. Natl. Hog. Fmr. Oct. pp. 42.
- Anon. 1966. Finding out about lean. Pig Fmg. Aug. pp. 46-47.
- Anon. 1966. Probing into breeding. Pig Fmg., March. pp. 52-53.

1966

- Anon. 1966. Pig survival. Feedstuffs 1-29-66, pp. 24.
- Anon. 1966. Teat order. Pig Fmg. Feb. pp. 51.
- Anon. 1966. New grading classification. Pig Prog. April pp. 10-11.
- Anon. 1966. Backfat thickness highly significant. Hormel Fmr. 30(11): 6-7.
- Anon. 1966. Pig testing. Agr. N. Ireland 41(5):143-145.
- Anon. 1966. Further results of fattening and slaughter performance tests in the test year 1965. Schweinzucht. Schweinmast. 14(6): 131-133.
- Anon. 1966. Rigor mortis in pork measured. Good Trade Rev. 36(8):67.
- Anon. 1966. Trends in nutrition; reproductive performance in swine. Mod. Vet. Pract. 47(10):72-74.
- Anon. 1966. New pig testing scheme. Agr. N. Ireland 41(7):198-199
- Anon. 1966. Artificial insemination of domestic animals. Tierzucht. 18(20):691-716.
- Anon. 1966. The need to reduce lard production in swine. N.R.A. Sci. Newslet. No. 68.
- Anon. 1966. Swine evaluation and testing programmes. 46th Annu. Swine Day, Sept. 9, Purdue U., Lafayette.
- Anon. 1966. Breeding swine for meatiness and performance. 46th Annu. Swine Day, Sept. 9, Purdue U., Lafayette.
- Anon. 1966. The SPF programme - its impact on the swine industry. 8th Annu. Swine Day, Dec. 3, Oreg. State U., Spec. Rpt. 227. Corvallis.
- Anon. 1966. The effect of level of feeding at breeding and during the last 30 days of gestation on reproductive performance of brood sows. Swine Day, Sept. 2. U. Mo. Anim. Sci. Dept., Columbia.
- Anon. 1966. Influence of flushing and time between feeding periods for gestating swine. Swine Day, Sept. 2. U. Mo. Anim. Sci. Dept., Columbia.
- Anon. 1966. A summary of five generations of selecting for thinness of backfat in swine. Swine Day, Sept. 2. U. Mo. Anim. Sci. Dept., Columbia.
- Anon. Effect of high temperatures on reproduction in swine. 46th Annu. Swine Day, Sept. 9. Purdue U., Lafayette.

1966

- Archambeau, J. O., Fairchild, R. G., and Commerford, S. L. 1966. Response of the skin of swine to increasing exposure of 250 KVP x-ray. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 463-489.
- Archer, Jean Nemorin. 1966. Age changes in the gastric mucosa of the domestic pig. M.S. Thesis, Iowa State U. Libr. Ames.
- Astrup, H., and Langebrekke, A. 1966. The effect of antioxidants on the quality of pork. *Z. Tierphysiol. Tiernahr. Futtermtlk.* 21(1): 15-24.
- Babatunde, G. M., Pond, G. W., Von Vleck, L. D., Kroening, G. H., Reid, J. T., Stouffer, J. R., and Wellington, G. H. 1966. Relationships among some physical and chemical paramaters of full-versus limited-fed Yorkshire pigs slaughtered at different live weights. *J. Anim. Sci.* 25:526-531.
- Backstrom, L., and Henricson, B. 1966. Studies on so-called adventitious bursae below the hocks in pigs. *Eng. Sum. (Swe.) Nord. Vet. Med.* 18:305-313. (ABA 35:560)
- Baird, D. M. 1966. Individual vs. group feeding of sows during gestation and lactation. *Ga. Agr. Expt. Sta. Circ.* NS45.
- Baird, D. M. 1966. Selection of meat type boars. *Ga. Stkmn.* 3:18.
- Baker, D. H., Jordan, C. E., Waitt, W. P., and Gouwens, D. W. 1966. Effect of a combination of diethylstilbestrol and methyltestosterone, sex and protein level on performance and carcass characteristics of finishing swine. (Abs.) *J. Anim. Sci.* 25:1248-1249.
- Baker, R. D., and Coggins, E. G. 1966. Induced ovulation and fertility in immature gilts. (Abs.) *J. Anim. Sci.* 25:918.
- Baker, R. D., and Coggins, E. G. 1966. Polyspermy of ova from pre-puberal gilts. (Abs.) *J. Anim. Sci.* 25:918.
- Bal, Harpal Singth. 1966. Morphological changes in the ovaries of the sow (*sus scrofa domesticus*) as influenced by age from birth to eight years. M.S. Thesis, Iowa State U. Libr., Ames.
- Baldwin, B. A., and Ingram, D. L. 1966. Effects of cooling the hypothalamus in the pig. *J. Physiol.* 186(2):72P-73P.
- Bane, A., and Nicander, L. 1966. Electron and light microscopical studies on spermateliosis in a boar with acrosome abnormalities. *J. Reprod. Fertil.* 11:133-138. (ABA 34:2300)

1966

- Barayai, P.
1966. Species specificity of prolactin. *Nature*, 212(5067):1255-1256.
- Barber, R. S., Braude, R., and Mitchell, K. G. 1966. Seven versus six feeds per week for growing pigs. (Abs.) *Anim. Prod.* 8:362.
- Barber, R. S., Braude, R., Hosking, Z. D., Mitchell, K. G., Brunner, W. H., Cahill, V. R., Gilliland, J. J., Grundlach, R. G., and Teague, H. S. 1966. Evaluation of American and British rations for growing pigs interchanged between the two countries. *Brit. J. Nutr.* 20:273-282.
- Bartone, J. C., Hoeper, P., and Calabrisi, P. 1966. Histochemical horizon of carbohydrate levels in 9 mm embryos of *sus scrofa*. (Abs.) *Anat. Rec.* 154:450.
- Beattie, I. C. 1966. The new British pig breeding scheme with combined progeny and performance testing. E.A.A.P. Meet. Aberdeen, Scotland.
- Becze, J. 1966. Experiences with A.I. in pigs and its situation in Hungary. *Eng. Sum. (Ger.) Wld. Rev. Anim. Prod. II (Spec.):*87-89.
- Becze, J., Smidt, D., Scheven, B., and Holtz, W. 1966. Studies on reproductive biology of the Gottingen miniature pig. *Eng. Sum. (Ger.) Deut. Tierarztl. Wschr.* 73:345-349. (ABA 35:574)
- Beecher, G. R., Kastenschmidt, L. L., Hoekstra, W. G., Cassens, R. G., and Briskey, E. J. 1966. Energy metabolites (in situ) in red and white striated muscles. (Abs.) *J. Anim. Sci.* 25:1262.
- Belic, M., and Soldatovic, B. 1966. The effect of litter size on the development of baby pigs up to the weaning date. *Eng. Sum. (Ser.) Savremena Poljoprivreda* 14(1):31-42.
- Bell, M. C., Lowrey, R. S., and Withrow, G. 1966. Effects of whole-body gamma irradiation on Ca^{45} and Sr^{89} absorption by pigs. *Proc. Symp. 'Whole aspects of strontium metabolism'*. Annan, Scotland.
- Bell, M. C., Sneed, N. N., and Hall, R. F. 1966. Effect of ration and route of administration on metabolism of ^{99}Mo by sheep and swine. (Abs.) *Proc. 7th Int. Cong. Nutr., Hamburg.* pp. 278.
- Bellis, D. 1966. Progress with pig breeding. *Fm. and Country* 218:381.
- Belt, W. D., and Cavazos, L. F. 1966. Fine structure of the interstitial cells of Leydig in the mature and immature boar. (Abs.) *Anat. Rec.* 154:315-316.

1966

- Bendall, J. R. 1966. The effect of pre-treatment of pigs with curare on the post-mortem rate of pH fall and onset of rigor mortis in the musculature. J. Sci. Food Agr. 17:333-338.
- Bendall, J. R., Cuthbertson, A., and Gatherum, D. P. 1966. A survey of pH₁ and ultimate pH values of British progeny-tested pigs. J. Food Technol. 1:201-214.
- Bendall, J. R., and Gatherum, D. P. 1966. An investigation of the prevalence of pale watery pork. PIDA Index of Pig Res. Jan. pp. 7-8.
- Benson, R. W., Pickett, B. W., Komarek, R. J., and Lucas, J. J. 1966. Incubation and cold shock of boar semen. (Abs.) J. Anim. Sci. 25:918.
- Bereskin, B., Shelby, C. E., Hazel, L. N., and Blunn, C. T. 1966. Effects of inbreeding of sow productivity traits. (Abs.) J. Anim. Sci. 25:1272.
- Berezvai, F., and Rakoczi, I. 1966. Further data on the changes of the sow milk composition during the lactation. Eng. Sum. (Hu.) Magy. Allatorv. Lapja 21(11):488-491.
- Bergman, S., Bjersing, L., and Nilsson, O. 1966. Histochemical demonstration of Δ^5 - 3β hydroxysteroid dehydrogenase activity in cultivated granulosa cells of the porcine ovary. Acta. Path. Microbiol. Scand. 68(3):461-462.
- Berry, R. K., Bell, M. C., and Wright, P. L. 1966. Influence of dietary calcium, zinc, and oil upon the in vitro uptake of zinc-65 by porcine blood cells. J. Nutr. 88:284.
- Bertl, H. 1966. Investigation on cuts of Yorkshire and Landrace pig halves. E.A.A.P. Meet. Aberdeen, Scotland.
- Betteridge, K. J. 1966. Pig LH - a study directed towards its radio-immunoassay in blood. Ph.D. Thesis, U. Reading Libr. Reading, England.
- Bica, M., and Raicu, E. 1966. Methods for pig carcass evaluation. Eng. Sum. (Rom.) Lucr. Sti. Inst. Cerc. Zooteh (Bucharest) 23: 113-147. (ABA 35:511)
- Bichard, M., and Smith, W. C. 1966. Improving the purebred by selection. Breeding for Pig Improvement. PIDA Conf. Brighton, Sussex, April 13-15, 1966. I of IX booklets. 11 pp.
- Bihaly, A. 1966. Evolution of the pig-stock in Hungary between the two wars and after the liberation, with special regard to the yearly fluctuation. Eng. Sum. (Hu.) Husipar 15(1):1-4.

1966

- Binns, R. M., and Hall, J. G. 1966. The paucity of lymphocytes in the lymph of unanaesthetised pigs. *Brit. J. Expt. Path.* 47:275-280.
- Birmingham, E., Naumann, H. D., and Hedrick, H. B. 1966. Relation between muscle firmness and fresh meat stability. *Food Technol.* 20(9):128-130.
- Bishop, G. R. H. 1966. From mating till farrowing. *Annu. Rpt. Gt. Brit. Agr. Res. Counc. Anim. Breed. Res. Organ. Rep.*, Jan. pp. 7-12.
- Biswas, D. K., Hurt, P. V., Chapman, A. B., First, N. C., and Self, H. L. 1966. Feed efficiency and carcass desirability in swine. *J. Anim. Sci.* 25:342-347. (ABA 35:512)
- Bjersing, L. 1966. Ultrastructural and histochemical studies on the steroid hormone production of the ovary. (pigs). 2nd Int. Cong. Hormonal Steroids Milan, May 8-23, Int. Cong. Series III. *Endocrinol. Excerpta. Medica. Foundation.* pp. 257.
- Blair, R., Raeburn, J. R., and Ward, J. 1966. Factors affecting lean meat development in pigs. *Sch. Agr., U. Aberdeen, Aberdeen, Scotland, Misc. Pub. No. 4.* pp. 31.
- Blair, R., Raeburn, J. R., and Ward, J. 1966. Factors affecting lean meat development in pigs. *Proc. 2nd Conf. Agr. Res. Wkrs. & Agr. Econ. Brighton, Eng. Jan 10-12, Pig Indus. Dev. Auth.*, pp. 34-57.
- Blendl, H. M. 1966. A reliable method for the estimation of yield of lean in pig carcasses in progeny testing. *Eng. Sum. (Ger.) Zuchtungskunde* 38(4):161-175. (ABA 35:1620)
- Blendl, H. M. 1966. Objective methods for evaluating carcass quality in pigs as an aid to selection. *Eng. Sum. (Ger.) Zuchtungskunde* 38(5/6):234-246. (ABA 35:1576)
- Blendl, H. M. 1966. The muscle surfaces of the ham and their relations to meat and fat content of the ham and of the entire carcass as well as to the weight of the ham. *Eng. Sum. (Ger.) Zuchtungskunde* 38(3):362-377.
- Boaz, T. G., and Walters, A. A. 1966. Weight and well-being. *Pig Fmg.* 14(6):79-81.
- Boaz, T. G., and Walters, A. A. 1966. Weight and growth rate. *Pig Fmg. May.* pp. 45-47.
- Boccard, R. 1966. Age and meat production. *Z. Tierz. Zucht. Biol.* 82(3):271-285.

1966

- Bodwell, C. E., Pearson, A. M., Wismer-Pedersen, J., and Bratzler, L. J. 1966. Post-mortem changes in muscle. II. Chemical and physical changes in pork. *J. Food Sci.* 31(1):1-12.
- Boender, J. 1966. Development of A.I. in pigs in the Netherlands and the storage of boar semen. (incl. description of dummy sow). *Wld. Rev. Anim. Prod.* II(Spec.) pp. 29-44. (ABA 34:889)
- Bollwahn, W. 1966. Bush-foot in pigs. *Eng. Sum. (Ger.) Deut. Tierarztl. Wschr.* 73(22):560-564.
- Booth, N. H., Bredeck, H. E., and Herin, R. A. 1966. Baroreceptor and chemoceptor reflex mechanisms in swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 331-346.
- Bornert, D., and Seidel, H. 1966. Investigations on swine. XXII. Central arterial blood pressure of clinically healthy swine. (Ger.) *Arch. Expt. Vet. Med.* 20(3):541-544.
- Borowski, H. M., von Ledebuk, K. F., and Gravert, H. O. 1966. Statistical investigations into the frequency of undesirable meat quality in pork. *Eng. Sum. (Ger.) Fleischwirtsch.* 46(11):1247-1249.
- Bosa, Yakoba Mabingo. 1966. Somatic and autonomic nerves of the lumbar and pelvic regions of the domestic pig. M.S. Thesis, Iowa State U. Libr. Ames.
- Bostock, F. 1966. Boar evaluation at Rocklea. *Queensland Agr. J.* 92(2):119-120.
- Bounds, W. R., and Young, E. P. 1966. Early protein quality influences on swine carcass characteristics. (Abs.) *J. Anim. Sci.* 25:889.
- Boursnell, J. C., and Coombs, R. R. A. 1966. A haemagglutinating factor in boar seminal plasma. *J. Reprod. Fertil.* 11:139-144.
- Boursnell, J. C., Nelson, M., Cole, D. M., and Rottenberg, D. A. 1966. Studies on boar seminal plasma proteins. 3. Fractionation by gel filtration, ion exchange and other means. *Biochem. Biophys. Acta* 117(1):134-162.
- Bowland, J. P. 1966. Swine milk composition--a summary. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 97-107.
- Bowland, J. P. 1966. Studies of linear programming and use of small cereal grains in swine nutrition. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 703-704.

1966

- Bowland, J. P., and Standish, J. F. 1966. Influence of fasting, water deprivation, and stress on carcass shrink of pigs and rats. J. Anim. Sci. 25:377-380.
- Boylan, W. J. 1966. Genetic aspects of maternal performance in swine. Proc. 15th Annu. Meet. Assoc. Comm. on Anim. Nutr. Natl. Res. Counc. Feb. 1966, pp. B15-B18.
- Boylan, W. J., Rahnefeld, G. W., and Seale, M. E. 1966. Ear characteristics and performance in swine. Canada J. Anim. Sci. 46:41-46. (ABA 34:3099)
- Bradford, G. E. 1966. Breeding for improved carcasses. 6th Annu. Swine Day, U. Calif. Davis.
- Braude, R. 1966. Problems in pig feeding. Agr. 73:377-381.
- Braude, R., Medley, R. T., Mitchell, K. G., Newport, M. J., and Porter, J. W. G. 1966. Effect of frequency and level of feeding on baby pig performance. (Abs.) Proc. 9th Int. Cong. Anim. Prod. Edinburgh Sci. Prog. pp. 9.
- Bray, R. W. 1966. Pork quality-definition, characteristics and significance. J. Anim. Sci. 25:839-842. (ABA 35:1578)
- Breazile, J. E., Swafford, B. C., and Thompson, W. D. 1966. Study of the motor cortex of the domestic pig. Amer. J. Vet. Res. 27(120): 1369-1373.
- Briskey, E. J., Forrest, J. C., and Judge, M. D. 1966. Influence of ante-mortem factors on meat quality. Z. Tierz. Zucht. Biol. 82(3):298-307.
- Briskey, E. J., Kastenschmidt, L. L., Forrest, J. C., Beecher, G. R., Judge, M. D., Cassens, R. G., and Hoekstra, W. G. 1966. Biochemical aspects of post-mortem changes in porcine muscle. J. Agr. Food Chem. 14(3):201-207.
- Brone, E. 1966. A. I. in pigs in the province of W. Flanders in Belgium. Eng. Sum. (Fr.) Wld. Rev. Anim. Prod. II (Spec.):78-83.
- Brown, D. G. 1966. Disease problems in swine and methods of control at the University of Tennessee--Atomic Energy Commission (UT-AEC) agricultural research laboratory. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 731-735.
- Brown, D. G., Johson, D. F., and Gramly, W. A. 1966. Late effects observed in swine exposed to mixed neutron-gamma irradiation. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 435-446.

1966

- Brown, V. L., and Tucker, H. F. 1966. Three levels of energy for sows during gestation. (Abs.) J. Anim. Sci. 25:258.
- Brummerstedt-Hansen, E. 1966. Serum proteins, especially gamma globulins in newborn pigs. Eng. Sum. (Dan.) Annu. Rpt. Steril. Res. Inst. Copenhagen. pp. 95-108.
- Bruner, Wilbur. 1966. Value of yield and other test factors. Proc. 9th Natl. Pork Industry Conf. Nov. 17-18, Waterloo, Iowa.
- Bruner, W. H., and Van Stavern, B. D. 1966. Pork yield evaluation. Ohio State U. Coop. Ext. Serv. Leaflet L-96.
- Buchta, S. 1966. Results of crossing Improved White with Landrace pigs. Eng. Sum. (Cz.) Sborn. Vysoke Sk. Zemed. Brne. Rada A 1966(1):123-129. (ABA 34:3100)
- Buckley, H. G. 1966. Eversion of the uterus in the sow; a clinical note. Irish Vet. J. 20(10):194-195.
- Burgess, C., Lidvall, E. R., Ramsey, C. B., and Cole, J. W. 1966. Performance and carcass quality of littermate boars, barrows, and gilts fed alike. Tenn. Farm Home Sci. Prog. Rpt. 58:6-8.
- Bustad, L. K. 1966. Pigs in the laboratory. Sci. Amer. 214(6):94-100.
- Bustad, L. K., Horstman, V. G., and England, D. C. 1966. Development of Hanford miniature swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 769-774.
- Calder, A. 1966. Hybrid pig breeding-facing the problems. Pig Breed. Gaz. 124:40-41.
- Campbell, B. M., and Sewell, R. F. 1966. Effects of type of carbohydrate and protein level on fatty acid composition of swine testicular tissue. (Abs.) Fed. Proc. 25:673.
- Cardeilhac, P. T., Morrisette, M. C., and Calle, J. D. 1966. Progesterone biosynthesis in perfused corpora lutea. (pigs) Proc. Soc. Expt. Biol. Med. 123:343-346.
- Care, A. D., Duncan, T., Webster, D., and Frazer, S. C. 1966. Factors affecting the secretion of thyrocalcitonin. J. Bone Jt. Surg. 48B, 386.
- Care, A. D., Duncan, T., and Webster, D. 1966. Further evidence for thyro-calcitonin secretion in the pig. J. Endocrinol. 34, xi - xii. Proc.

1966

- Care, A. D., Duncan, T., and Webster, D. 1966. The effect of anti-thyroid drugs on the secretion of thyrocalcitonin. J. Endocrinol. 35, xxvii. Proc.
- Care, A. D., Webster, D., and Duncan, T. 1966. Species variation to thyro-calcitonin. Proc. 4th Europ. Symp. on Calcified Tissues. pp. 13.
- Casey, R. H. 1966. Can the SPF programme benefit from a central testing station. U. Nebr. 6th Annu. SPF Swine Conf., Lincoln.
- Cassens, R. G., and Bray, R. W. 1966. Meat quality estimation methods. Z. Tierz. Zucht. Biol. 82(3):286-297.
- Casti, R., and Magnani, G. 1966. Correlation between interval of weaning, reappearance of oestrus in the sow, and number of baby pigs. Eng. Sum. (Ital.) Atti. Soc. Ital. Sci. Vet. 19:496-497.
- Cheeseman, G. C., and Fuller, R. 1966. The study using high voltage electrophoresis of amino acid decarboxylases and arginine dihydro-lase of bacteria isolated from the alimentary tract of the pig. J. Appl. Bact. 29:596.
- Christenson, R. K., and Zimmerman, D. R. 1966. Influence of level of energy on reproductive performance in the gilt. (Abs.) J. Anim. Sci. 25:1267.
- Chudoba-Drozdowska, B., and Kozłowska, K. 1966. Measurements of skin temperatures in piglets. Eng. Sum. (Pol.) Med. Wet. 22(6):356-360.
- Chute, A. V. 1966. Practical purebreeding. Breeding for Pig Improvement. Pig Indus. Devlpmt. Auth. Conf. Brighton, Sussex, April 13-15, 1966. II of IX Booklets, 11 pp.
- Clausen, H., Nortoft Thomsen, R., and Pedersen, O. K. 1966. 54th Report on comparative tests with pigs from state-recognized breeding centres in 1964-65. Eng. Sum. Beretn. Forsogslab. 354. (ABA 35:550)
- Clawson, A. J., Eason, E.W., Henson, D.D., and Parker, J. 1966. The effects of nutrient intake on reproductive performance of gilts and sows. N. C. State U. Pork Prod. Conf. pp. 38.
- Clayson, D. H. F., Beesley, J. A., and Blood, R. M. 1966. The Chemistry of the natural tenderisation or maturation of meat. J. Sci. Food and Agr. 17:221-225.

1966

- Cliplef, R. L., Hanson, L. E., Meade, R. J., and Wass, D. F. 1966. Effects on breeding group, sex, protein content of diet and feed restriction on rate and efficiency of gain and carcass characteristics of market hogs. (Abs.) J. Anim. Sci. 25:1243-1244.
- Cody, O. H. 1966. Piglet mortality in Ireland. J. Dept. Agr. Repub. Ire. 63:110-114.
- Cohen, A. I., Nicol, E., and White, W. F. 1966. Effect of LH releasing factor on rat and pig anterior pituitary monolayer cultures. (Abs.) Fedn. Proc. 25:315.
- Cohen, E. H. 1966. Protein changes related to ham processing temperatures. I. Effect of time-temperature on amount and composition of soluble proteins. J. Food Sci. 31(5):746-750.
- Cohen, H., and Steinetz, B. G. 1966. Possible role of protein binding in failure of antibody to porcine relaxin to react with pregnant rabbit serum relaxin. Proc. Soc. Expt. Biol. Med. 122:268-270.
- Combs, G. E., Berry, T. H., Wallace, H. D., and Crum, R. C. Jr. 1966. Influence of supplemental vitamin D on gain, nutrient digestibility and tissue composition of young pigs. J. Anim. Sci. 25:48-51.
- Combs, W. 1966. A co-operative study of U.S. and Canadian crossbred pigs. 45th Annu. Feed. Day, June 4, 1966. U. Alberta, Dept. Anim. Sci., Edmonton, Alberta. pp. 17-18.
- Combs, W. 1966. How to improve your hogs. Country Guide (Winnipeg)
- Combs, W., and Spurr, D. T. 1966. Composition of hams from crossbred pigs sired by Hampshire, Poland China and Lacombe sires. 45th Annu. Feed. Day, 1966. U. Alberta, Dept. Anim. Sci., Edmonton, Alberta. pp. 16-17.
- Combs, W., and Spurr, D. T. 1966. Relationship of pork carcass measurements to cutout value and yield of lean cuts. 45th Annu. Feed. Day, June 4, 1966. U. Alberta, Dept. Anim. Sci., Edmonton, Alberta. pp. 14-16.
- Cook, Brian. 1966. A comparative study of the control of progesterone synthesis in vitro in the corpus luteum. Diss. Abs. 27:1268B.
- Cooper, M. McG., and Tonks, H. M. 1966. Co-ordinated breeding programme - Progress Report. PIDA Index of Pig Res. 1966. pp. 75.
- Cowan, F. T., and MacPherson, J. W. 1966. The reproductive tract of the porcine female (a biometrical study). Can. J. Comp. Med. Vet. Sci. 30(4):107-108. (ABA 34:3144)

1966

- Cox, D. F. 1966. Swine genetics and biomedical research. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 1-12.
- Cox, D. F. 1966. Facilities at Iowa State University for studies of the genetic effects of irradiation. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 637-639.
- Cox, D. F. 1966. Genetics of maternal care and fatness in pigs. (Abs.) J. Anim. Sci. 25:878.
- Cox, D. F. 1966. Genetic control of the gestation period in pigs. (Abs.) Genet. 54(1):328-329.
- Cox, D. F., and Karas, G. G. 1966. Genetic and postnatal environmental correlates of avoidance learning in swine. Proc. Annu. Meet. Psychonomic Soc. Oct. 27-29. St. Louis, Mo.
- Cox, J. L., Becker, D. E., and Jensen, A. H. 1966. Electrocardiographic evaluation of potassium deficiency in young swine. J. Anim. Sci. 25:203-206.
- Cray, A. S. 1966. Practical cross breeding. Breeding for Pig Improvement. Pig Indus. Devlpmt. Auth. Conf. Brighton, Sussex, April 13-15, 1966. III of IX Booklets. 10 pp.
- Cromwijk, W. A. J., Hardeman, Y. H. P., and Reijenga, S. 1966. Hormonal treatment of anaphrodisia in sows. Eng. Sum. Tijdschr. Diergeneesk 91(7):438-443.
- Crum, Roger Clark, Jr. 1966. Serum lipid patterns of growing pigs during fat absorption. Diss. Abs. 27:655B.
- Crum, R. C., Jr., Wallace, H. D., Combs, G. E., and Feaster, J. P. 1966. Porcine serum lipid levels during fat absorption. (Abs.) J. Anim. Sci. 25:920.
- Csire, L. 1966. The effect of body weight at weaning on the results of fattening and on the carcass of Hungarian White pigs. Eng. Sum. (Hu.) Kiserl. Kozl. Allattenyeszt. 58/B,(3):51-67. (ABA 35:515)
- Csire, L. 1966. The influence of the protein supply during the suckling period on the fattening and slaughter results of Hungarian Yorkshire pigs. (Abs.) Proc. 9th Int. Cong. Anim. Prod., Edinburgh, Sci. Prog. pp. 8.
- Csire, L. 1966. Effect of a protein diet during suckling on the subsequent performance and carcass quality Hungarian Yorkshire pigs. Acta. Agron. (Budapest) 15(3/4):291-299.

1966

- Csire, L., and Klosz, T. 1966. The value of selection for body weight at 180 days of age in Hungarian White pigs. Eng. Sum. (Hu.) Kiserl. Kozl. Allattenyeszt 58/B 2(1965):65-73. (ABA 35:551)
- Culzoni, V. 1966. Observations on the external morphology and on the behaviour of intersexes in swine and cattle. Eng. Sum. (Ital.) Atti. Soc. Ital. Sci. Vet. 19:337-340.
- Cunha, T. J. 1966. Panel discussion on nutrition. Summary of panel on nutrition. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 721-725.
- Cunha, T. J. 1966. Nutritional requirements of the pig. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 681-695.
- Cunningham, B. 1966. Bilateral femoral epiphysiolysis in a Landrace boar. Irish Vet. J. 20(4):66-68.
- Cunningham, H. M., and Friend, D. W. 1966. Effects of water restriction on nitrogen retention and carcass composition of pigs. J. Anim. Sci. 25:663-667.
- Cupka, V. 1966. The relation between linear and planimetric measurements on the section of the longissimus dorsi muscle and the carcass value of pigs. Eng. Sum. (Cz.) Zivoc. Vyroba. 11:45-54. (ABA 34:2226)
- Cupka, V. 1966. Carcass evaluation based on fat indices at a cross-section at the 13th rib of pigs. Eng. Sum. (Cz.) Zivoc. Vyroba 11:55-62. (ABA 34:2227)
- Cupka, V., Majerciak, P., Poltarsky, J., and Zilla, T. 1966. Comparative study of the carcass yields of swine of the Czechoslovak Improved White, Landrace and Pietrain swine breeds. Eng. Sum. (Cz.) Pol'nohospodarstvo 12(10):770-781.
- Cupps, Perry T., Briggs, J. R., Hintz, H. F., and Heitman, H., Jr. 1966. Pregnancy diagnosis in the sow. J. Anim. Sci. 25:646-647. (ABA 35:1656)
- Curtis, S. E., Heidenrich, C. J., and Foley, C. W. 1966. Carbohydrate assimilation and utilization by newborn pigs. J. Anim. Sci. 25: 655-662.
- Cuthbertson, A., and Pease, A. H. R., and Pomeroy, R. W. 1966. Transportation effects on pigs and their carcasses. (Abs.) Anim. Prod. 8(3):363.

1966

- Dalrymple, R. H., and Kelly, R. F. 1966. Processing, composition and organoleptic characteristics of normal and pale, soft, exudative pork. (Abs.) J. Anim. Sci. 25:883.
- Dean, B. T. 1966. Rotational crossbreeding. Natl. Hog Fmr. Dec. pp. 30-31.
- Deas, D. W., Moodie, E. W., Lunaas, T., and Wilson, J. C. 1966. Pregnancy diagnosis (sow). Int. Encyclop. Vet. Med., W. Green & Son., Edinburgh, Scotland. pp. 2419-2431.
- Dellmann, H. D., and McClure, R. C. 1966. Skull measurements for the establishment of a coordinate system for stereotaxic placement in the brain of swine. (Sus scrofa). Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 537-542.
- Dent, J. B. 1966. Toward the ideal in pig ration formulation. Proc. 2nd P.I.D.A. Conf. Agr. Res. Wkrs. & Agr. Econ. Brighton, Eng. Jan. 10-12. pp. 58-71.
- Dent, J. B., and English, P. R. 1966. The evaluation of economically optimal rations for bacon pigs formulated by curve fitting and linear programming techniques. Anim. Prod. 8(2):213-220.
- Dettmers, A. E. 1966. Housing and handling of the miniature pigs at the Hormel Institute. Swine in Biomedical Research. Battelle-Northwest, Richland, Washington. pp. 641-643.
- Dettmers, A. E. 1966. Growth and reproduction experiences with rations fed at the Hormel Institute. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 697-702.
- Dettmers, A. E. 1966. Miniature pigs aid in human research. Inbred News, May-June, pp. 4,5,8.
- Dettmers, A. E., and Rempel, W. E. 1966. A new experimental animal for medical research - the miniature pig. Proc. 133rd Meet. AAAS. Dec. 27, Washington, D. C.
- Detweiler, D. K. 1966. Swine in comparative cardio-vascular research. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 301-306.
- Detweiler, D. K. 1966. Panel discussion on cardiovascular research. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 425-427.

1966

- Dhindsa, D. S., and Dziuk, P. J. 1966. Experimental unilateral pregnancy in the pig. (Abs.) J. Anim. Sci. 25:921.
- Dhindsa, D. S., and Dziuk, P. J. 1966. Effect of position of embryos on pregnancy in pigs. (Abs.) J. Anim. Sci. 25:1266.
- Dickerson, J. W. T., and Dobbing, J. 1966. Growth and development of the central nervous system in the pig. Variation in Chemical Composition of the Nervous System as Determined by Developmental and Genetic Factors. Pergamon Press. New York.
- Dickerson, J. W. T., and Dobbing, J. 1966. Virus infections affecting the foetus in animals and man: some peculiarities of cerebellar growth in pigs. Proc. Roy. Soc. Med. 59(11):1088.
- Dobie, J. B., Bond, T. E., Givens, R. L., Heitman, H. Jr., Jacob, F. C., Kelly, C. F., Sprock, C. M., and Wilson, W. O. 1966. Effects of air ions on swine and poultry. 59th Annu. Meet., U. Mass., Amherst, June 26-29, ASAE, Paper No. 66-25.
- Doman, I. 1966. Mass mortality of sucking pigs due to mammary dermatitis of dams. Eng. Sum. (Hu.) Magy. Allatorv. Lapja 21(3):133-134.
- Donnelly, T. H., Rongey, E. H., and Barsuko, V. J. 1966. Protein composition and functional properties of meat. J. Agr. Food. Chem. 14(3):196-200.
- Doornenbal, H., and Martin, A. H. 1966. The association between commercial cut-out yield and gross chemical composition in market pigs. Anim. Prod. 8(3):445-455. (ABA 35:516)
- Drewry, Kenneth J. 1966. Predicting loin-eye area in market swine. (Abs.) J. Anim. Sci. 25:1260.
- Duckworth, J. E., Edge, T. M., Harrison, G., Olaniyan, D., Holmes, W., and Galazka, H. 1966. First report on trials with the Pietrain breed at Wye College. (Abs.) Anim. Prod. 8(3):356.
- Duckworth, J. R. 1966. Our knowledge of genetics and its economic application to pig breeding. Proc. 2nd. P.I.D.A. Conf. Agr. Res. Wkrs. & Agr. Econ. Brighton, Eng., Jan. 10-12, pp. 18-24. (ABA 35:562)
- Du Mesnil Du Buisson, F., and Signoret, J. P. 1966. The female's influence on the success of A.I. in pigs under practical conditions. Eng. Sum. (Fr.) Wld. Rev. Anim. Prod. II(Spec.):45-54. (ABA 34:889)

1966

- Duncan, T., and Care, A. D. 1966. Thyrocalcitonin secretion. Scot. Med. J. 11:224.
- Duncan, W. R.H., and Garton, G. A. 1966. The component fatty acids of the colostrum fat and milk fat of the sow. J. Dairy Res. 33:255-259.
- Dunne, H. W. 1966. Intrauterine transmission of infection. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 727-729.
- Dunne, H. W. 1966. Panel discussion on disease and disease control. Summary of panel discussion on disease and disease control. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 761-764.
- Durham, R. M. 1966. Breeds of swine. Introduction to Livestock Production. 2nd Ed. W. H. Freeman & Co., San Francisco and London. pp. 156-165.
- Durham, R. M. 1966. Genetic improvement in swine. Introduction to Livestock Production. 2nd Ed. W. H. Freeman and Co., San Francisco and London. pp. 287-300.
- Dvorak, M. 1966. The level of ascorbic acid in suprarenal glands and liver of swine of various age and its relation to the reserves of the vitamin A. Eng. Sum. (Cz.) Czech. Min. Zemedel. Lesniho. Hospodar. Ustav. Vedeckotech. Inform. Vet. Med. 39(6):371-377.
- Dyck, Gerald Wayne. 1966. Ovarian function following pituitary stalk-section or hypophysectomy in the pig. Ph.D. Thesis, Iowa State U. Libr. Ames.
- Dziuk, P. J. 1966. Schedule pigs for delivery on specific date. Natl. Hog Fmr. June. pp. 24-25.
- Dziuk, P. J., and Gehlback, G. D. 1966. Induction of ovulation and fertilization in the immature gilt. J. Anim. Sci. 25:410-413. (ABA 35:575)
- Earl, F. L., and Smalley, H. E., Jr. 1966. Disease and disease control in miniature swine used in toxicological research. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 737-743.
- Earl, F. L., and Taylor, J. C. 1966. The housing and management of swine for biomedical research. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 645-659.

1966

- Edgerton, L. A., Martin, C. E., Troutt, H. F., and Foley, C. W. 1966. Collection of fluid from the uterus and oviducts. (sow). (Abs.) J. Anim. Sci. 25:1265.
- Edward, A. G. 1966. Diseases in laboratory swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 745-746.
- Ellington, E. F. 1966. Use of hormones to schedule heat period in swine. 8th Annu. Swine Day Rpts. Dec. 3., Oreg. Agr. Expt. Sta. Spec. Rpt. 227. pp. 10.
- Elsley, F. W. H., McDonald, I., and MacPherson, R. M. 1966. Effect of feed intake and protein concentration during pregnancy on the nitrogen content of newly born pigs. (Abs.) Anim. Prod. 8(3):353.
- Elsley, F. W. H., Anderson, D. M., McDonald, I., MacPherson, R. M., and Smart, R. I. 1966. A comparison of the liveweight changes, nitrogen retention and carcass composition of pregnant and non-pregnant gilts. Anim. Prod. 8(3):391-400.
- Elsley, F. W. H., Anderson, D. M., and MacPherson, R. M. 1966. Influence of dietary additions of starch and casein in the later stages of pregnancy upon the nitrogen retention of pregnant gilts. (Abs.) Proc. Nutr. Soc. 25(2):24-25.
- Elsley, F. W. H., and MacPherson, R. M. 1966. The utilisation of nitrogen by the lactating sow and her litter. (Abs.) Proc. 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp. 104.
- Engelhardt, W. V. 1966. Swine cardiovascular physiology - a review. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 307-329.
- England, D. C. 1966. Breeding for improved performance in swine. 8th Annu. Swine Day Rpts. Dec. 3. Oreg. Agr. Expt. Sta. Spec. Rpt. 227. pp. 3.
- England, D. C. 1966. Panel discussion on miniature swine development. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 811-813.
- England, D. C. 1966. Early history and objectives of miniature swine development. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 765-768.
- Epling, G. P. 1966. Electron microscopic studies of the normal porcine pulmonary blood-air barrier. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 511-527.

1966

- Evans, L. E. 1966. Embryonic and foetal mortality in the porcine species. Iowa State U. Vet. 28(1):22-24.
- Everitt, G. C. 1966. Recent trends in carcass evaluation. Proc. Aust. Soc. Anim. Prod. 6:268-283.
- Feaster, J. P., Neal, F. C., and Wallace, H. D. 1966. Influence of dietary fat on liver fatty acids in pig fetuses. (Abs.) Fed. Proc. 25:673.
- Fekete, L. 1966. Influence of the crude fibre content of feeds on measurements of the alimentary canal of pigs. Eng. Sum. (Hu.) Kiserlet. Kozlem. 58/B(1):23-37.
- Fender, M., Lorenz, J., Rabold, K., Fewson, D., and Rittler, A. 1966. Improvement of carcass quality in pigs by selection. I. Plan of experiment and performance level of first generation. Eng. Sum. (Ger.) Zuchtungskunde 38(5/6):223-233. (ABA 35:1635)
- Feredean, T., Arvanitopol, N., and Barbulescu, I. 1966. Hygienic collection and processing of boar semen. Eng. Sum. (Rom.) Lucr. Sti. Inst. Cerc. Zooteh. 24:303-320. (ABA 35:603)
- Feredean, T., Stoicea, M., and Gaci, N. 1966. Studies to find a milk diluent for boar semen. Eng. Sum. (Rom.) Lucr. Sti. Inst. Cerc. Zooteh 23:31-44. (ABA 35:605)
- Feredean, T., Tatomir, I., and Calinescu, E. 1966. Studies on the artificial insemination of sows. Eng. Sum. (Rom.) Lucr. Sti. Inst. Cerc. Zooteh 24:321-330. (ABA 35:606)
- Ferencz, G. 1966. The economic importance of the fertility of sows and possibilities of increasing it. II. The reliability of selecting sows for the transmission of litter size. Eng. Sum. (Hu.) Allattenyeszt. 15:165-179. (ABA 35:563)
- Feuerhake, F., and Zumholz, K. 1966. Synchronisation of oestrus in pigs. Eng. Sum. (Ger.) Deut. Tierarztl. Wschr. 73(22):575-578.
- Few, Albert Braxton. 1966. The occurrence of lipo-fuscin pigment as related to aging in the lumbar spinal cord, dorsal root ganglia, and paravertebral ganglia of the dog and pig. Ph.D. Thesis, Iowa State U. Libr. Ames.
- Filer, L. J., Jr., Churella, H., Knauff, R., and Vaughan, O. W. 1966. Effects of dietary calcium, phosphorous, and strontium on growth, organ weights, and bone composition of miniature swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 151-162.

1966

- Filler, L. J., Jr., Owen, G. M., and Fomon, S. J. 1966. Effect of age, sex, and diet on carcass composition of infant pigs. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 141-149.
- Fletcher, O. J., Sikes, D., and Papp, E. 1966. Pathologic effects of whole blood transfusions from arthritic to normal swine. *Amer. J. Vet. Res.* 27(120):1359-1367.
- Folley, S. J., Gibbons, R. A., and Betteridge, K. 1966. Attempts to detect oestrus and/or ovulation in pigs. *PIDA Index of Pig. Res.* Jan. pp. 20-21.
- Folley, S. J., and Knaggs, G. S. 1966. Milk-ejection activity (oxytocin) in the external jugular vein blood of the cow, goat and sow, in relation to the stimulus of milking or suckling. *J. Endocrinol.* 34:197-214.
- Ford, J. J., Anderson, L. L., and Melampy, R. M. 1966. Growth in immature hypophysectomized pigs. (Abs.) *J. Anim. Sci.* 25:922.
- Forrest, John Charles. 1966. Physiology of porcine animals as related to physiochemical post-mortem properties of striated muscle. *Diss. Abs.* 1268B-1269B.
- Forrest, J. C., Judge, M. D., Sink, J. D., Hoekstra, W. G., and Briskey, E. J. 1966. Prediction of the time course of rigor mortis through response of muscle tissue to electrical stimulation. *J. Food Sci.* 31(1):13-21.
- Fowler, V. R. 1966. The effect of very early feed restriction on the growth and development of the pig. (Abs.) *Anim. Prod.* 8(3):354.
- Fowler, V. R. 1966. The application of current carcass knowledge to pig production. *Proc. 2nd PIDA Conf. Agr. Res. Wkrs. & Agr. Econ.* Brighton, Eng. Jan. 10-12. pp. 72-80. (ABA 35:545)
- Fowler, V. R. 1966. The prediction of pig carcass composition from feed conversion efficiency data corrected for differences in the maintenance component. (Abs.) *9th Int. Cong. Anim. Prod.* Edinburgh, Sci. Prog. pp. 79. (ABA 34:3102)
- Fox, J. B. 1966. The chemistry of meat pigments. *J. Agr. Food Chem.* 14(3):207-210.
- Fraser, A. F. 1966. Studies of piglet husbandry in Jamaica: 1. The relationship of litter size to survival till weaning. *Brit. Vet. J.* 122:288-295. (ABA 35:517)

1966

- Fraser, A. F. 1966. Studies of piglet husbandry in Jamaica: 2. Principal causes of loss between birth and weaning. Brit. Vet. J. 122:325-332.
- Fredeen, H. T. 1966. Prospects for genetic progress. Breeding for Pig Improvement. PIDA Conf. Brighton, Sussex, April 13-15, 1966. IV of IX Booklets. 15 pp.
- Fredeen, H. T. 1966. Where should we be going in animal breeding research? J. Anim. Sci. 25:543-551.
- Fredeen, H. T. 1966. Changes in ROP (swine) carcass evaluation, 1965. 45th Annu. Feed. Day Rpt. June 4. U. Alberta, Dept. Anim. Sci. Edmonton. pp. 7-8.
- Friedlander, J. A. 1966. Economic production from hybrids. Breeding for Pig Improvement. PIDA Conf. Brighton, Sussex, April 13-15, 1966 V of IX Booklets. 11 pp.
- Friend, D. W., and Cunningham, H. M. 1966. The effect of water consumption on the growth, food intake and carcass composition of suckling piglets. Canada J. Anim. Sci. 46(3):203-209.
- Friend, D. W., and Cunningham, H. M. 1966. Piglet birthweights and the order of farrowing. Canada J. Comp. Med. Vet. Sci. 30(7): 179-182. (ABA 35:576)
- Frobish, L. T., Hays, V. W., Speer, V. C., and Ewan, R. C. 1966. Utilization of various fats by young pigs. (Abs.) J. Anim. Sci. 25:1249-1250.
- Frobish, L. T., Hays, V. W., Speer, V. C., and Ewan, R. C. 1966. Effect of form of diet and addition of emulsifier on fat utilization. (Abs.) J. Anim. Sci. 25:1249.
- Frobish, L. T., Speer, V. C., and Hays, V. W. 1966. Effect of protein and energy intake on reproductive performance in swine. J. Anim. Sci. 25:729-733. (ABA 35:1657)
- Fuller, M. F. 1966. The effect of changing environmental temperature on the urinary nitrogen excretion of young pigs. Proc. Nutr. Soc. 25:6.
- Funnell, H. S., and Oliver, W. T. 1966. Quantitative method for the determination of cholinesterase activity after starch-gel electrophoresis. Canada J. Biochem. 44:953.

1966

- Gabris, J., and Brincko, A. 1966. The relation between the number of teats of a sow and her productivity. Eng. Sum. (Cz.) Zivoc. Vyroba. 11:87-92. (ABA 34:2278)
- Gabris, J., and Zilla, J. 1966. The heritability of some performance characters of sows in the first three litters. Eng. Sum. (Cz.) Zivoc. Vyroba. 11:233-238. (ABA 34:3130)
- Gallo, J. T., Pond, W. G., and Walker, E. F., Jr. 1966. Preliminary study of the effect of intramuscular injection of growth hormone for pigs. Cornell U. Anim. Sci. Dept. Swine Div. Mimeo Ser. 66-10.
- Gandi, Sham Shunder. 1966. Cutaneous nerves of the trunk of the domestic pig with special reference to the special nerves. M.S. Thesis, Iowa State U. Libr. Ames.
- Garner, J. M. 1966. Swine progress by data and eye evaluation. South, Ill. U. Sch. Agr. Anim. Indus. Publ. 8:19-25.
- Gebauer, M. R., Pickett, B. W., Gibson, E. W., and Lucas, J. J. 1966. Effect of freezing on optical density of semen. (Abs.) J. Anim. Sci. 25:923.
- Gehlbach, G. D., Becker, D. E., Cox, J. L., Harmon, B. G., and Jensen, A. H. 1966. Effects of floor space allowance and number per group on performance of growing-finishing swine. J. Anim. Sci. 25:386-391. (ABA 35:519)
- Gerrits, R. J., and Hawk, H. W. 1966. Effect of intrauterine devices on fertility in pigs. (Abs.) J. Anim. Sci. 25:1266.
- Gerrits, R. J., and Krehbiel, E. V., and Kincaid, C. M. 1966. Synchronization of estrus and reproductive performance of gilts fed I.C.I. 33, 828. (Abs.) J. Anim. Sci. 25:923.
- Getty, R. 1966. Histomorphological studies in the dog and hog as related to aging. Proc. Colloquium on 'Radiation and Aging', Smerring, Austria.
- Getty, R. 1966. Gerontological studies in the dog and hog - their implications and applications. Adding Life to Years. U. Iowa B. Inst. Geront., 13:3.
- Gillespie, Robert Pell. 1966. Significance of tail curl in swine. M.S. Thesis. U. Mo. Libr., Columbia.

1966

- Gillman, T., and Ordman, L. 1966. Histogenesis of healing incised and excised wounds in young pigs. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 299-300.
- Ginsburg, M., Jayasena, K., and Thomas, P. A. 1966. Preparation and properties of porcine neurophysin and the influence of calcium on the hormone-neurophysin complex. *J. Physiol. (London)* 184:387-401.
- Gipp, W. F., Pond, W. G., and Smith, S. E. 1966. The effect of molybdenum, sulfate and zinc on growth, hemoglobin, liver copper storage and carcass characteristics of pigs fed a high level of copper. Cornell U. Anim. Sci. Dept., Swine Div. Mimeo Ser. 66-4.
- Gligor, V., and Nedelnicu, V. 1966. Study of energy metabolism in the swine for meat and fats. Eng. Sum. (Rum.) Bucharest. Inst. Cerc. Zooteh. Lucr. Sti. 23:45-56.
- Godinho, Hugo Pereira. 1966. Course and distribution of the nervi craniales in the sus scrofa domesticus in a gross anatomical study. M. S. Thesis, Iowa State U. Libr., Ames.
- Goodrich, R. D., Tillman, A. D., and Morrison, R. D. 1966. Importance of initial blood and plasma values. (Abs.) *J. Anim. Sci.* 25:1251.
- Got, R., Font, J., and Goussault, Y. 1966. Fractionation of porcine macroglobulins. *Nature (London)* 211(5047):415-416.
- Goutefongea, E. 1966. Comparative study of different methods of measuring capacity of pig meat for water holding capacity. Eng. Sum. (Fr.) Ann. Zootech. 15(3):291-295.
- Goutefongea, E., and Charpentier. 1966. Topographical distribution of exudative and dipigmenting myopathy (watery pork) in pigs. Eng. Sum. (Fr.) Ann. Zootech. 15(3):279-290.
- Gower, D. B., and Ahmad, N. 1966. In vitro biosynthesis of some Δ^{16} -steroids from (4- 14 C) pregn-5-en-3 β -ol-20-one by boar testicular and adrenal tissue. *Biochem. J.* 100:67-68.
- Gower, D. B., and Ahmad, N. 1966. Metabolism of testosterone by boar adrenal and testicular tissue "in vitro". 2nd Int. Cong. Hormonal Steroids Milan, May 8-23. Int. Cong. Series III. Endocrinol. Excerpta Medica Found. pp. 279.
- Grant, R. A. 1966. Variations in the amino acid composition of aortic plastin from different species. *Br. J. Expt. Path.* 47:163.

1966

- Grauvogl, A. 1966. Results of fertility investigations in boars. Eng. Sum. (Ger.) Zuchthygiene, 1:28-35. (ABA 34:2279)
- Greben, L. K. 1966. Heredity and its variability in the line breeding of pigs and sheep. Theory and Practices of Livestock Breeding. USDA-NSF Translation. pp. 150-158.
- Greer, S. A. N., Hays, V. W., Speer, V. C., and McCall, J. T. 1966. Effect of dietary fat, protein and cholesterol on atherosclerosis in swine. J. Nutr. 90:183-190.
- Griesemer, R. A. 1966. Control of disease with germfree methods. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 747-752.
- Grimes, Andrew James. 1966. The evaluation of hogs in selected meat packing companies. Diss. Abs. 27:1502A.
- Grogan, D. E., Mayer, D. T., and Sikes, J. D. 1966. Quantitative differences in phospholipids of ejaculated spermatozoa and spermatozoa from three levels of the epididymis of the boar. J. Reprod. Fertil. 12(3):431-436. (ABA 35:1678)
- Groves, T. W. 1966. Controlled oestrus and ovulation in pigs. Vet. Rec. 79(1):24-25. (ABA 35:578)
- Groves, T. W., Polge, E. C., and Reed, H. C. B. 1966. Oestrus synchronisation in pigs with methallibure. (Abs.) 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp. 26. (ABA 34:3146)
- Gunther, H., and Schweiger, A. 1966. Changes in the concentration of lactic acid and free sugars in post-mortem samples of beef and pork muscle. J. Food Sci. 31(3):300-308.
- Gustafsson, B., and Gledhill, B. L. 1966. Hermaphroditism, (cattle, sheep, goat, horse, pig, dog). Int. Encyclop. Vet. Med., W. Green & Sons. Edinburgh, Scotland. pp. 1416-1419.
- Gustafsson, B., and Gledhill, B. L. 1966. Vagina, developmental abnormalities (sow). Int. Encyclop. Vet. Med., W. Green & Son., Edinburgh, Scotland. pp. 3012-3015.
- Hafez, E. S. E., Jainudeen, M. R., Kroening, G. H., El-Banna, A. A. 1966. Use of progesterone and thiocarbamoyl-hydrazine compounds for estrus synchronization in gilts. J. Amer. Vet. Med. Assoc. 149(1):35-41. (ABA 35:579)

1966

- Hafez, E. S. E., and Jainudeen, M. R. 1966. Intersexuality in farm mammals. Anim. Breed. Abs. 34(1):1-15.
- Hagan, H. A., and McClellan, R. O. 1966. Disease and disease control experience with miniature swine at Battelle-Northwest. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 753-756.
- Hahn, R. 1966. The present situation of AI in pigs in the German Federal Republic. Eng. Sum. (Ger.) Wld. Rev. Anim. Prod. II (Spec.):71-73. (ABA 34:889)
- Halada, J. 1966. The relation between the longissimus dorsi muscle and the meat on half of the pig carcass. Eng. Sum. (Cz) Zivoc. Vyroba 11:63-70. (ABA 34:2231)
- Hale, O. M., and Southwell, B. L. 1966. Protein requirements as related to breed and sex of swine. (Abs.) J. Anim. Sci. 25:259.
- Hamm, R. 1966. Biochemistry of muscle. Eng. Sum. (Ger.) Z. Tierz. Zuchtbiol. 82(3):244-264.
- Hamori, D. 1966. The inheritance of agenesis musculi sphincteris ani in piglets. Eng. Sum. Magy. Allatorv. Lapja 21(1):41-42. (ABA 35:1636)
- Hanley, W. B., Boyer, S. H., and Naughton, M. A. 1966. Electrophoretic and functional heterogeneity of pepsinogen in several species. Nature (London) 209:996-1002. (ABA 34:2258)
- Hansard, S. L. 1966. Placental transfer and fetal utilization of absorbed minerals by developing swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 79-96.
- Hansard, S. L., Itoh, H., Glenn, J. C., and Thrasher, D. M. 1966. Placental transfer and foetal utilisation of calcium in developing swine. J. Nutr. 89(3):335-340.
- Hansard, S. L., Itoh, H., Hoskins, F. H., Glenn, J. C., and Thrasher, D. M. 1966. Effects of fetal age upon placental transfer and tissue distribution of calcium in developing swine. (Abs.) J. Anim. Sci. 25:257.
- Hansard, S. L., Itoh, H., Glenn, J. C., and Thrasher, D. M. 1966. Interrelationships of calcium and zinc in swine during gestation. (Abs.) Proc. 9th Int. Cong. Anim. Prod., Edinburgh, Sci. Prog. pp. 106.

1966

- Hansard, S. L., Itoh, H., Glenn, J. C., and Thrasher, D. M. 1966. Effects of restricted calcium intake upon placental calcium transfer and fetal utilization in swine. (Abs.) Fedn. Proc. 25: 367.
- Hanselka, D. V., and Goldston, R. T. 1966. Hermaphroditism in swine. So. West. Vet. 20(1):62-63.
- Hanset, R., and Ansay, M. 1966. The polymorphism of haptoglobins in two Belgian swine breeds. Eng. Sum. (Fr.) Ann. Med. Vet. 110(1): 56-70. (ABA 34:2259)
- Harding, J. D. J., Done, J. T., and Darbyshire, J. H. 1966. Congenital tremors in piglets and their relation to swine fever. Vet. Rec. 79(14):388-390.
- Haring, F., Gruhn, R., Smidt, D., and Scheven, B. 1966. Miniature swine development for laboratory purposes. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 789-796.
- Haring, F., and Smidt, D. 1966. Importance and prospects of artificial insemination in pigs. Wld. Rev. Anim. Prod. II (Spec.):13-14.
- Harmon, B. G. 1966. Gilts' utilization of phosphorus during gestation and lactation. Ill. Res. 8(2):17.
- Harmon, B. G., Becker, D. E., and Jensen, A. H. 1966. Relationship of hemoglobin and blood sugar in studies measuring efficacy of oral hematinics in swine. (Abs.) J. Anim. Sci. 25:891.
- Harrington, G. 1966. The relative accuracy and cost of alternative methods of pig carcass evaluation. English. Z. Tierz. Zucht. Biol. 82(2):187-198. (ABA 34:3103)
- Harris, P. 1966. Factors affecting food conversion. Pig Fmg. March. 14(3):42-43,45.
- Hastings, S. G., Booth, N. H., and Hopwood, M. L. 1966. General anesthesia for thoracic surgical procedures in swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 679.
- Havskov Sorensen, P., and Moustgaard, J. 1966. Influence of environmental temperature and humidity on growth feed utilisation and bacon quality of pigs. Eng. Sum. (Dan.) Annu. Rpt. Steril. Res. Inst., Copenhagen. pp. 9-56.

1966

- Hay, M. F., and Deane, H. W. 1966. Attempts to demonstrate 3 beta and 17 beta-hydroxysteroid dehydrogenases histochemically in the testes of stallion, boar, ram and bull. J. Reprod. Fert. 12(3): 551-560.
- Hays, V. W., Greer, S. A. N., and Speer, V. C. 1966. Effect of dietary fat protein and cholesterol on atherosclerosis in swine. (Abs.) Proc. 7th Int. Cong. Nutr. Aug. 3-10, 1966. Hamburg, Germany. pp. 194.
- Hays, V. W., Speer, V. C., Frobish, L. T., and Ewan, R. C. 1966. Effect of protein level and type of diet on performance and carcass characteristics of growing boars. (Abs.) J. Anim. Sci. 25:1278.
- Heaney, I. 1966. What we've learned in eight years. Pig Fmg. Dec. pp. 14-15 (Suppl.)
- Heap, F. C. 1966. Effects of the level of protein and energy intake during pregnancy on the reproductive performance of the sow. Ph.D. Thesis. U. Nottingham. Sch. Agr., Loughborough, Eng.
- Heap, F. C., and Lodge, G. A. 1966. The influence of nutrition during oestrus on ovulation rate in the sow. (Abs.) Proc. 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp. 28-29. (ABA 34:3147)
- Heap, R. B., and Holzbauer, M. 1966. Gas chromatography of androgens, progesterone and progesterone derivatives in adrenal venous blood of pigs and dogs. J. Physiol. 183(1):11P.
- Heap, R. B., Holzbauer, M., and Newport, H. J. 1966. Adrenal secretion rates of C-19 & C-21 steroids before and after hypophysectomy in the pig and dog. J. Endocrinol. 36:159-176.
- Heck, M. C., and Lewis, P. K., Jr. 1966. Factors affecting the storage of frozen pork. (Abs.) J. Anim. Sci. 25:883.
- Heeney, M. W. 1966. Colorado's swine testing program. Colo. Farm Home Res. 16(4):4.
- Helfferich, B., Vemmer, H., and Gutte, J. O. 1966. Studies of the amounts of calcium, potassium and sodium in the body of full-grown pigs. Eng. Sum. (Ger.) Z. Tierphysiol. Tierernahr. Futtermtlk. 21(5):263-270.
- Hembry, F. G., and Bell, M. C. 1966. Sr^{90} phytate and Sr^{90} chloride in sheep and swine and roasting effect on Sr^{90} in meat. J. Anim. Sci. 25:199.

1966

- Henderson, D. W., Goll, D. E., and Stromer, M. H. 1966. Structure of myofibrils from postmortem muscle. (Abs.) J. Anim. Sci. 25: 1260-1261.
- Hennig, A., and Anke, M. 1966. The composition of sows' milk at different stages in lactation. Eng. Sum. (Ger.) Arch. Tierzucht. 9(4):321-331.
- Herec, S. 1966. Structure of the olfactory bulb in the pig. Eng. Sum. (Pol). Ann. U. Mariae Curie-Sklodowska. Sect. DD, 20:125-138.
- Hertelendy, F., Machlin, L. J., Gordon, R. S., Horino, M., and Kipnis, D. M. 1966. Lipolytic activity and inhibition of insulin release by epinephrine in the pig. Proc. Soc. Expt. Biol. Med. 121(3):675-677.
- Hesselholt, M. 1966. Additional serum type alleles in pigs. Eng. Sum. (Dan.) Annu. Rpt. Steril. Res. Inst. Copenhagen, pp. 75-83.
- Hesselholt, M., and Hristic, V. 1966. Haemopexin polymorphism in pigs. English. Acta Vet. Scand. 7:187-188. (ABA 34:3131)
- Hesselholt, M., Larsen, B., and Nielsen, P. B. 1966. Studies on serum amylase systems in swine, horses and cattle. Ybk. Roy Vet. Agr. Col., Copenhagen, pp. 78-90.
- Hickson, J. C. D. 1966. The control of certain digestive secretions in the pig. Ph.D. Thesis. U. Cambridge, Cambridge, Eng.
- Hill, E. G. 1966. Some nutritional requirements and physiological indices of miniature swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 163-168.
- Hill, E. G. 1966. Fatty acid composition of miniature swine tissue lipids. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 705-712.
- Hill, F. 1966. The solubility of intramuscular collagen in meat animals of various ages. J. Food Sci. 31(2):161-166.
- Hines, R. H., Hoefer, J. A., Miller, E. R., and Luecke, R. W. 1966. Response of boars, barrows, gilts and spayed gilts on full and limited feed. (Abs.) J. Anim. Sci. 25:1245.
- Hines, R. H., Hoefer, J. A., Miller, E. R., and Luecke, R. W. 1966. Effect of restricted energy intake on growth and carcass quality of barrows and gilts. (Abs.) J. Anim. Sci. 25:1277.

1966

- Hix, Veldon Max. 1966. Determination of specific gravity of live hogs by a modification of the air displacement and helium dilution procedures. Diss. Abs. 27:2106B-2107B.
- Hjulstad, O. 1966. A Norwegian view of environment control. Farm Bldgs. Aug. pp. 34-35.
- Hoff-Jorgensen, R. 1966. Quantitative determination of serum haptoglobin in swine. Eng. Sum. (Dan.) Annu. Rpt. Steril. Res. Inst. Copenhagen., pp. 109-116.
- Hofmann, F., and Boettcher, H. 1966. Can the slaughter performance of culled breeding sows be taken as characteristic of the sows' family? Eng. Sum. (Ger.) Arch. Tierzucht. 9(3):243-259. (ABA 35: 565)
- Hofmeyer, K. 1966. Progress Report: How hog carcasses have improved. Wallaces Fmr. Nov. 12. pp. 50.
- Holme, D. W., and Coey, W. E. 1966. The effects of temperature and method of feeding on the performance of bacon pigs. (Abs.) Anim. Prod. 8(2):360.
- Holme, D. W., Duckworth, J. E., and Cole, D. J. A. 1966. Some factors affecting feed intake in pigs. PIDA Index of Pig Res. Jan. pp. 73-74.
- Holmes, C. W., and Mount, L. E. 1966. Heat loss from young pigs, individually and in groups, at ambient temperatures of 9°, 20°, and 30°C. J. Physiol. 186(2):75-77. (Abs.) Also Proc. 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp. 57.
- Holmes, C. W., and Mount, L. E. 1966. Effect of ambient temperature on heat loss, weight gain and water consumption of young pigs. (Abs.) Anim. Prod. 8(2):363.
- Holub, A. 1966. Effect of early weaning on nutrients consumption and weight gains of piglets in the second month of life. Eng. Sum. (Cz.) Zivoc. Vyroba 39(8):587-594.
- Hong, Jae Hee. 1966. Influence of heredity and other factors on leucocytes in swine. M.S. Thesis, U. Mo. Libr., Columbia.
- Hoernicke, H. 1966. Review of the Berlin symposium on swine circulatory system. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 419-424.

1966

- Hornicke, H. 1966. Estimation of body composition in living animals. Eng. Sum. (Ger.) Z. Tierz. Zucht. Biol. 82(2):169-186.
- Hortsman, V. G., McCellan, R. O., and Bustad, L. K. 1966. Nutritional experience with swine at Battelle-Northwest. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 715-720.
- Houston, T. W. 1966. The economic application of food technology to pigmeat. 2nd PIDA Conf. Agr. Res. Wkrs. & Agr. Econ. Brighton. pp. 81.
- Houston, T. W., and Reed, R. 1966. An interpretation of the growth of muscles from their post-mortem properties. Proc. Leeds Phil. Lit. Soc. Sci. Sect. 9(12):281-289.
- Huber, W. G., and Wallin, R. F. 1966. Gastric secretion and ulcer formation in the pig. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 121-127.
- Huis In't Veld, L. G. 1966. Testosterone metabolism in a hog. 2nd Int. Cong. Hormonal Steroids Milan, May 8-23. Int. Cong. Series III. Endocrinol. Excerpta Medica Foundation. pp. 279.
- Hunter, R. H. F. 1966. Luteal-phase ovulation and fertility in the pig. (Abs.) J. Anim. Sci. 25:925.
- Hunter, R. H. F. 1966. The effect of superovulation on fertilization and embryonic survival in the pig. Anim. Prod. 8(3):457-465. (ABA 35:580)
- Hunter, R. H. F., and Dziuk, P. J. 1966. Fertilization of pig eggs three hours post-insemination. (Abs.) J. Anim. Sci. 25:1265.
- Hunter, R. H. F., and Polge, C. 1966. Maturation of follicular oocytes in the pig after injection of human chorionic gonadotrophin. J. Reprod. Fert. 12(3):525-531. (ABA 35:1658)
- Hyltdgaard-Jensen, J. 1966. Lactic dehydrogenase (LDH) in pig plasma. Eng. Sum. (Dan.) Annu. Rpt. Steril. Res. Inst. Copenhagen, pp. 117-125.
- Iida, I., and Adachi, T. 1966. Studies on deep-freezing of boar semen. I. Effect of various diluents, glycerol levels and glycerol equilibration periods on deep freezing of boar spermatozoa. Jap. J. Zootech. Sci. 37(11):411-416. (ABA 35:1680)
- Iida, I., and Ikeda, K. 1966. Studies on deep-freezing of boar semen. II. Effect of various rapid freezing rates on survival of boar spermatozoa. Jap. J. Zootech. Sci. 37(11):417-421. (ABA 35:1681)

1966

- Ilancic, D. 1966. Physiological properties of economic importance studied in various pig breeds with special regard to the thyroid gland. Eng. Sum. (Ger.) Zuchtungskunde 38(7):319-329.
- Ilancic, D., and Adilovic, S. 1966. Correlation between serum alkaline phosphatase activity and fattening characteristics of pigs. (Abs.) Proc. 9th Int. Cong. Anim. Prod., Edinburgh, Sci. Prog. pp. 80. (ABA 34:3123)
- Imlah, P. 1966. The functions and purpose of blood grouping in pigs. Pig Breed. Gaz. 125:30-32. April.
- Isler, Gene A., and Swiger, L. A. 1966. Lean cut prediction and genetic implications in swine. (Abs.) J. Anim. Sci. 25:1271.
- Isler, Gene, A., and Swiger, L. A. 1966. Predicting lean cut percent for selection of swine. Ohio Agr. Res. Devlpmt. Cent., Wooster Swine Res. Summ. 13:23-24. (ABA 35:1585)
- Itoh, H., and Hansard, S. L. 1966. Factors affecting fetal and maternal liver glycogen storage in swine. Jap. J. Zootech. Sci. 37:207.
- Jackson, C. 1966. Blueprint for private pig tests. Fmr. and Stkbdr. April 26, 1966.
- Jacobs, D. E. 1966. The peri-parturient egg-rise of the sow. Vet. Rec. 79(9):272-273.
- Jacobsson, E. 1966. Artificial insemination of pigs in Sweden. Wld. Rev. Anim. Prod. II (Spec.): pp. (ABA 34:889)
- Janicki, M. A. 1966. Basic studies on the color of pork meat and on the color in pork as influenced by heredity, sex, age, feeding and management of animals. Final technical report. Polska Akademia Nauk. Instytut Fizjologii I Zywienia Zwierzat. Bydgoszcz.
- Janicki, M. A., Kolaczyk, S., and Kortz, J. 1966. Colour of meat as influenced by level of nutrition in pigs. Rocz. Nauk. Roln. 88-B-1:31-37.
- Janicki, M. A., Kortz, J., and Rozyczka, J. 1966. Meat quality in relation to age and live weight in pigs. Tehnologija Mesa 7(3):71.
- Jarosz, S. 1966. The influence of hypophysin upon the translocating of sperm in the sow's womb. Eng. Sum. (Pol.) Rocz. Nauk. Roln. 88-B-1:19-29.
- Isler, Gene Allan. 1966. Live animal lean cut prediction and genetic implications in swine. M.S. Thesis. Ohio State U. Libr. Columbus.

1966

- Jensen, A. H., Becker, D. E., and Harmon, B. G. 1966. Milo and wheat as sources of amino acids for gestating-lactating swine. (Abs.) J. Anim. Sci. 25:1255.
- Jensen, A. H., Becker, D. E., and Harmon, B. G. 1966. Management factors and young pig performance. (Abs.) J. Anim. Sci. 25:1273.
- Jericho, K. W. 1966. Intra-pulmonary lymphoid tissue in pigs. Vet. B. 36(11):687-707.
- Joblin, A. D. H. 1966. The estimation of carcass composition in bacon-weight pigs. I. The use of ultrasonic and carcass measurements. New Zeal. J. Agr. Res. 9:108-126. (ABA 34:1364)
- Joblin, A. D. H. 1966. The estimation of carcass composition in bacon-weight pigs. II. The use of specific gravity. New Zeal. J. Agr. Res. 2:227-240.
- Joblin, A. D. H. 1966. The estimation of carcass composition in bacon-weight pigs. III. The use of butcher's dissections and full dissections of sample joints. New Zeal. J. Agr. Res. 9:241-251. (ABA 34:2234)
- Joblin, A. D. H., and Carter, W. A. 1966. The estimation of carcass composition in bacon weight pigs. IV. The estimation of percentage bone. New Zeal. J. Agr. Res. 9:820-828. (ABA 35:521)
- Johnson, A. D., Vincent, C. K., and Ulberg, L. C. 1966. Species differences in survival of transferred ova. (Abs.) J. Anim. Sci. 25:925.
- Johnson, B. C. 1966. Some enzymatic and cardiovascular effects of starvation-refeeding stress. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 193-211.
- Johnston, W. G. 1966. Lameness in pigs. Scottish Agr. 45:89-91.
- Jollans, J. L. 1966. Observations on the food conversion rate of specific-pathogen-free boars. Anim. Prod. 8(2):321-324. (ABA 34:3125)
- Jones, J. E. T. 1966. Observations on parturition in the sow. 1. The pre-partum phase. Brit. Vet. J. 122:420-426.
- Jones, J. E. T. 1966. Observations on parturition in the sow. II. The parturient and post-parturient phases. Brit. Vet. J. 122: 471-478.

1966

- Joseph, R. L., and Sanders, W. J. 1966. Leucine aminopeptidase in extracts of swine muscle. *Biochem. J.* 100(3):827-832.
- Judge, M. D., Addis, P. B., Thomas, N. W., and Johnson, H. R. 1966. An acclimation mechanism associated with porcine muscle properties. *Proc. 2nd Int. Cong. Food Sci. Technol.*, Warsaw.
- Judge, M. D., Briskey, E. J., and Meyer, R. K. 1966. Endocrine related post-mortem changes in porcine muscle. *Nature (London)* 212:287-288.
- Jump, E. B., and Weaver, M. E. 1966. The miniature pig in dental research. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 543-557.
- Jung, H., and Piatkowski, B. 1966. Protein deposit in growing swine of various sex and types. 2. Relations between nitrogen retention and meat content in carcass. *Eng. Sum. (Ger.) Arch. Tierzucht* 9(5):399-408.
- Jussiaux, M. 1966. Technical and economic aspects of artificial insemination in pigs. *Eng. Sum. (Fr.) Wld. Rev. Anim. Prod.* II. (Spec.):90-92.
- Kadis, B. 1966. Steroid hydroxylations. V. Intracellular location of 16 α -hydroxylase and its substrate specificity in sow ovary. *Biochem.* 5:3604-3608.
- Kalev, G., and Zagorski, D. 1966. Comparative experiments on storage of boar semen. *Eng. Sum. (Bu.) Vet. Med. Nauk.* 3(2):171-176. (ABA 35:1682)
- Kaplan, F. 1966. The effect of various doses of atropine on the ejaculate of Improved White boars. *Eng. Sum. (Cz.) Zivoc. Vyroba.* 11:93-102. (ABA 34:2304)
- Kaplan, F. 1966. The reduction test and the sperm concentration of boar semen. *Eng. Sum. (Cz.) Zivoc. Vyroba.* 11:239-244. (ABA 34:3157)
- Kaplan, F. 1966. The effect of everyday collection on the semen of boars. *Eng. Sum. (Cz.) Zivoc. Vyroba.* 11:787-794. (ABA 35:1683)
- Karakoz, I., and Sobotkova, O. 1966. Amount of meat on the thighs and breast of the Czechoslovak Improved White swine breed per 100 kg of the live weight. *Eng. Sum. (Cz.) Pol'nohospodarstvo* 12(3): 220-223.

1966

- Karg, H., and Struck, H. J. 1966. Testosterone/androstendione relationship in foetal bovine testes. 2nd Int. Cong. Hormonal Steroids Milan, May 8-23, Int. Cong. Series III. Endocrinol. Excerpta Med. Foundation. pp. 288.
- Karlsson, B. W. 1966. Immuno-electrophoretic studies on relationships between proteins of porcine colostrum, milk and blood serum. Acta. Pathol. Microbiol. Scand. 67(1):83-101.
- Karlsson, B. W. 1966. Immunochemical studies on changes in blood serum proteins in piglets after colostrum ingestion and during neonatal and juvenile development. Acta Pathol. Microbiol. Scand. 67(2):237-256.
- Kastenschmidt, L. L., Beecher, G. R., Forrest, J. C., Hoekstra, W. G., and Briskey, E. J. 1966. Porcine muscle properties. A. Alteration of glycolysis by artificially induced changes in ambient temperature. J. Food Sci. 30:565-572.
- Kastenschmidt, L. L., Briskey, E. J., and Hoekstra, W. G. 1966. Metabolic intermediates in skeletal muscles with fast and slow rates of post-mortem glycolysis. Nature (London) 212:288.
- Kauffman, R. G., Norton, H. W., and Breidenstein, B. C. 1966. The eye lens as an index of age in swine. I. Effect of dietary protein level. (Abs.) J. Anim. Sci. 25:1261.
- Kauffman, R. G., Norton, H. W., and Breidenstein, B. C. 1966. The eye lens as an index of age in swine. II. Effect of sex and dietary intake. (Abs.) J. Anim. Sci. 25:1261-1262.
- Kay, M., Jones, A. S., and Smart, R. I. 1966. The use of tritiated water, 4-aminoantipyrene and N-acetyl-4-aminoantipyrene for the measurement of body water in living pigs. Br. J. Nutr. 20:439-448.
- Kelly, R. F., and Dalrymple, R. H. 1966. Processing, composition and organoleptic characteristics of normal and pale, soft exudative pork. Va. Livestk. Res. Prog. Rpt. 1965/66.
- Kemp, K. E., and Magee, W. T. 1966. Genetic changes in a simulated crossbred swine herd. (Abs.) J. Anim. Sci. 25:1271-1272.
- Kertesz, F. 1966. Quantitative protein requirement of Hungarian Large White pigs during fattening. Eng. Sum. (Hu.) Kiserlet. Kozlem. 58/B(2):13-36.
- Kielanowski, J. 1966. Efficiency of energy utilisation in growing pigs. (Abs.) Proc. 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp. 85.

1966

- Kielanowski, J. 1966. Conversion of energy and the chemical composition of gain in bacon pigs. *Anim. Prod.* 8(1):121-128.
- Kim, Y. B., Bradley, S. G., and Watson, D. W. 1966. Ontogeny of the immune response. I. Development of immunoglobulins in germfree and conventional colostrum-deprived piglets. *J. Immunol.* 97(1): 52-63.
- Kim, Y. B., Bradley, S. G., and Watson, D. W. 1966. Antibody synthesis in germfree colostrum-deprived miniature piglets. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 273-284.
- King, G. J., and MacPherson, J. W. 1966. Alkaline and acid phosphatase activity, pH and osmotic pressure of boar semen. *Canada J. Comp. Med. Vet. Sci.* 30:304-307.
- King, G. J., and MacPherson, J. W. 1966. Boar semen studies. 1. Laboratory evaluation of processing phases. *Canada J. Comp. Med. Vet. Sci.* 30(12):332-335. (ABA 35:1685)
- King, J. O. L., and Robinson, D. W. 1966. Pig nutrition research.
(a) Sex differences in response to dietary amino acid supplementation with special reference to growth and body composition in the pig.
(b) The effect of varying the dietary crude protein: lysine ratio on nitrogen retention, body composition and growth of castrate pigs. *PIDA Index of Pig Res.* Jan. pp. 60-62.
- King, J. W. 1966. The place of new breeds. Breeding for Pig Improvement. PIDA Conf. Brighton, Sussex, April 13-15, 1966. VI of IX Booklets. 11 pp.
- King, J. W. B. 1966. Possibilities of the new breeds. *Fmrs' Wkly Spec. Pig Ed.* May 6, 1966.
- King, J. W. B. 1966. Pig breeding research at ABRO. (Abs.) 9th Int. Cong. Anim. Prod. August, Edinburgh, Sci. Prog. pp. 2. (ABA 34: 3132)
- King, J. W. B. 1966. Crossbreeding experiments - progress report. *PIDA Index of Pig Res.* Jan. pp. 1.
- Kirchgessner, M., and Burgstaller, G. 1966. The growth quotient of modern type fattening pigs. *Eng. Sum. (Ger.) Zuchtungskunde* 38(4):176-179. (ABA 35:1613)

1966

- Knifton, A. 1966. The influence of the female sex hormones on the response of the pig uterus to electrical stimulation. J. Pharm. Pharmac. 18. Sup. 151S.
- Koch, D. E., Pearson, A. M., Hoefer, J. A., Schweigert, B. S., and Luecke, R. W. 1966. Effect of diet on fatty acid composition of pig fat. (Abs.) J. Anim. Sci. 25:884.
- Koerner, D. R. 1966. 11 β -hydroxysteroid dehydrogenase of lung and testis (pig). Endocrinol. 79:935-938.
- Kolaczyk, S., and Kotik, T. 1966. A note on sex differences in muscle properties of pigs with special emphasis on colour. Anim. Prod. 8(1):153-154. (ABA 34:2235)
- Kolczak, T. 1966. Measurement of turbidity of muscle water extract for estimation of the muscle degeneration degree. Eng. Sum. (Pol.) Rocz. Nauk. Roln. 88-B-3:303-315.
- Komarek, R. J., Pickett, B. W., Gebauer, M. R., Benson, R. W., and Gibson, E. W. 1966. Variation of lipid content of boar semen. (Abs.) J. Anim. Sci. 25:926.
- Komarov, N. M., and Semenyuta, A. T. 1966. Thermal responses of the organism to the effect of low environmental temperatures. Eng. Sum. (Russ.) Zhur. Obshch. Biol. 27(3):360-366.
- Kopecky, O., and Pasicna, N. 1966. The relation between some carcass characters of White Improved gilts and young boars. Eng. Sum. (Cz.) Zivoc. Vyroba. 11:35-44. (ABA 34:2236)
- Kornegay, E. T. 1966. Repeated blood sampling in weanling pigs. (Abs.) J. Anim. Sci. 25:892.
- Kornegay, E. T. 1966. Analyzes effect of blood sampling pigs. N. J. Agr. 48(3):15.
- Kortan, L. J. 1966. Selecting swine breeding stock. S. Dakota State U. Ext. FS 310.
- Kortz, J., Rozyczka, J., and Kolaczyk, S. 1966. Methodical aspects of objective colour determination in fresh pork meat. (Abs.) Proc. 2nd Int. Cong. Food Sci. Technol. Warsaw, Poland. pp. 416.
- Kot, M. M. 1966. Haematological indices of the pig in relation to origin and productivity. Eng. Sum. (Russ.) Izv. Timiryazev. Sel' khoz. Akad. 2:214-223. (ABA 35:566)

1966

- Kotik, T. 1966. The level of protein fractions in the blood serum of pigs. I. The influence of breed and sex. Eng. Sum. (Pol.) Roczn. Nauk. Roln. 88-B-1:39-44.
- Kozumplik, J. 1966. The spermiogram of normally and subnormally fertile boars. Eng. Sum. (Cz.) Vet. Med. (Praha) 11:461-466. (ABA 35:609)
- Kozumplik, J. 1966. Semen picture of boars with normal and with impaired fertility. Eng. Sum. (Cz.) Vet. Med. (Praha) 11:461-466.
- Kreuzer, W., Ring, C., and Schroder, K. 1966. The K content of meat samples from cattle and swine. (Abs.) 12th Europ. Meat. Res. Conf. Aug. 14-16, Sandefjord, Norway. Amer. Meat Sci. Assoc. Rpt. pp. 23.
- Kristjansson, F. K. 1966. Fractionation of serum albumin and genetic control of two albumin fractions in pigs. Genet. 53(4):675-679. (ABA 34:3134)
- Kroeske, D. 1966. Dutch Landrace pigs compared with Large Whites. (Abs.) Proc. 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp. 79. (ABA 34:3108)
- Kroeske, D. 1966. The influence of two different rations on leg weakness in young boars and the genotype-ration interaction. E.A.A.P. Meet., Aberdeen, Scotland.
- Kubomichi, M. 1966. Studies on the urinary estrogens of pregnant sows. Tokyo. Nat. Inst. Anim. Health Q. 6(1):33-42.
- Kuciel, J. 1966. Semioperational test with the insemination of sows and gilts with fractional method. Eng. Sum. (Cz.) Zivoc. Vyroba 11:807-812. (ABA 35:1686)
- Kunkle, L. E. 1966. Pork tissue growth and composition with emphasis on control of sex odor. (Abs.) Rpt. 12th Europ. Meat Res. Conf. Aug. 14-16, Sandefjord, Norway. Amer. Meat Sci. Assoc. pp. 20.
- Kupferschmied, H. 1966. Inquiries on the occurrences of anestrus of swine and results of gonadotropin treatment. Eng. Sum. (Ger.) Schweiz. Arch. Tierheilk. 108(1):14-23.
- Kuroshima, A., Arimura, A., Saito, T., Ishida, Y., Bowers, C. Y., and Schally, A. 1966. Depletion of pituitary follicle-stimulating hormone by beef and pig hypothalamic extracts. (rats). Endocrinol. 78:1105-1108.

1966

- Kuroshima, A., Arimura, A., Bowers, C. Y., and Scholly, A. V. 1966. Inhibition by pig hypothalamic extracts of depletion of pituitary prolactin in rats following cervical stimulation. *Endocrinol.* 78:216-217.
- Kvapil, O., and Kopecky, O. 1966. The production, growth and carcass characters of Landrace pigs. *Eng. Sum. (Cz.) Zivoc. Vyroba* 11: 15-26. (ABA 34:2240)
- Kvapil, O., Plocek, F., and Cvejn, J. 1966. The effect of crossbreeding on the productivity, fattening ability and carcass value of pigs. *Eng. Sum. (Cz.) Zivoc. Vyroba* 11:3-14. (ABA 34:2241)
- Labie, C. 1966. The problem of the quality of lean pork. *Eng. Sum. (Fr.) Rev. Med. Vet. (Toulouse)* 117(4):341-350.
- Lagneau, F. 1966. Agalactia of the sow. *Eng. Sum. (Fr.) Rev. Med. Vet.* 142(8):673-694.
- Laing, J. A., and Phillippo, M. 1966. A study of the lesions of natural and one type of experimentally induced embryonic mortality in pigs progress report. *PIDA Index of Pig Res.* Jan. pp. 67.
- Lamming, G. E., and Crighton, D. B. 1966. Lactation anoestrus in the sow - progress report. *PIDA Index of Pig Res.* Jan. pp. 79.
- Lamming, G. E., Lodge, G. A., and Heap, F. C. 1966. The effect of the level of protein and energy intake on reproduction in the sow. *PIDA Index of Pig Res.* Jan. pp. 82.
- Landmann, W. A., and Batzer, O. F. 1966. Influence of processing procedures on the chemistry of meat flavours. *J. Agr. Food Chem.* 14:210-214.
- Landy, J. J., and Ledbetter, R. K. 1966. Delivery and maintenance of the germfree pig. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 619-632.
- Langholz, H. J. 1966. Heritabilities and genetic correlation in Norwegian Landrace. *Eng. Sum. (Ger.) Act. Agr. Scand.* 16(2): 97-114.
- Lasley, E. L. 1966. Putting performance testing to work. *N. C. State U., Pork Prod. Conf.* pp. 25.
- Lasley, J. F. 1966. Pork quality. *Natl. Hog Fmr.* July. pp. 24-26.

1966

- Lauprecht, E. 1966. Individual performance of young boars. E.A.A.P. Meet. Aberdeen, Scotland.
- Laurentowska, C. 1966. Influence of breed, litter and sex on fat content in bacon carcasses. Eng. Sum. (Pol.) Rocz. Nauk. Roln. 88-B-1:45-50.
- Lauvergne, J. J., and Ollivier, L. 1966. On colours observed in crosses between Pietrain and Large White pigs. Eng. Sum. (Fr.) Annls. Genet. 9:G.39-G.41. (ABA 34:3135)
- Lawrie, R. A. 1966. Factors influencing the composition and condition of meat. Inst. Meat B. No. 52. pp. 11-16.
- Lawrie, R. A. 1966. Meat Science. Oxford, Eng. Pergamon Press. 368 pp.
- Lawrie, R. A. 1966. Metabolic stresses which affect muscle. Physiology and Biochemistry of Muscle as a Food. U. Wisc. Press., Madison. pp. 137.
- Leat, W. M. F. 1966. Fatty acid composition of the plasma lipids of newborn and maternal ruminants. (pig). Biochem. J. 98:598-603.
- Leavitt, R. K. 1966. Sonoray as used in the field. Proc. 9th Natl. Pork Indus. Conf. Nov. 17-18, Waterloo, Iowa.
- Lebedev, M. M. 1966. Utilization of heterosis in swine breeding. Theory and Practices of Livestock Breeding. USDA - NSF Translation. pp. 71-74.
- Lecce, J. G. 1966. In vitro absorption of gamma-globulin by neonatal intestinal epithelium of the pig. J. Physiol. 184(3):594-604.
- Lee, C., McBee, J. L. Jr., and Horvath, D. J. 1966. Dietary protein level and swine carcass traits. (Abs.) J. Anim. Sci. 25:892.
- Legault, C. 1966. A genetic study of weight and growth rate in pigs. (Abs.) Proc. 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp. 52. (ABA 34:3136)
- Legge, A. J., and Mount, L. E. 1966. The use of a thermal gradient layer in the measurement of heat loss from new-born pigs to the floor. J. Physiol. 186(2):77-78.
- Lewis, D., Lodge, G. A., and Davis, R. H. 1966. An investigation of factors affecting the digestibility of fat. PIDA Index of Pig Res. Jan. pp. 84.

1966

- Lewis, D., Lodge, G. A., and Cooke, R. 1966. Amino acid allowances for the growing pig - progress report. PIDA Index of Pig Res. Jan. pp. 85.
- Lewis, O. A. M. 1966. A comparison of a chemical and a biological method of protein evaluation; the effect of heat treatment on the protein value of pork. So. Afr. J. Sci. 62(4):119-121.
- Liebenberg, O., and Gollnitz, L. 1966. Variation of fattening and carcass characteristics of pigs by diallelic or polyallelic matings. Eng. Sum. (Ger.) Arch. Tierz. 9:9-21. (ABA 35:569)
- Lindberg, P., and Tanhuanpaa, E. 1966. Nutritional muscular degeneration in pigs. Proc. 9th Nordic. Vet. Cong., Stockholm.
- Lindstrom, U. 1966. Swine insemination in Finland. Wld. Rev. Anim. Prod. II (Spec.):93-98. (ABA 34:889)
- Ling, A. M., and Loke, K. H. 1966. Metabolism of androstenedione by porcine adrenal homogenates. Steroids 8:765-777.
- Linke, H. 1966. Content of connective tissue in carcasses. (Abs.) Rpt. 12th Europ. Meat. Res. Conf. Aug. 14-16, Sandefjord, Norway. Amer. Meat Sci. Assoc. pp. 15.
- Liptrap, R. M., and Raeside, J. I. 1966. Luteinizing hormone activity in blood and urinary oestrogen excretion by the sow at oestrus and ovulation. J. Reprod. Fert. 11:439-446. (ABA 35:582)
- Lister, D. 1966. The influence of early nutrition on final development in the pig. (Abs.) Anim. Prod. 8(2):354.
- Lister, D. 1966. Rehabilitation of pigs after long periods of severe undernutrition. (Abs.) J. Anim. Sci. 25:1280.
- Livingston, D. M. S., Blair, R., and English, P. R. 1966. The usefulness of muscle fibre diameter in studies of the lean meat content of pigs. Anim. Prod. 8(2):267-274. (ABA 34:3109)
- Livingstone, R. M., MacPherson, R. M., Elsley, F. W. H., Lucas, I. A. M., and Lodge, G. A. 1966. Note on the effect of protein concentration in the diets of pregnant sows on the performance and carcass quality of their progeny. Anim. Prod. 8(3):337-339. (ABA 34:3149)
- Lodge, G. A. 1966. More lean - not just less fat. Fmr's Wkly, 65 (17) Sup. pp. 30.
- Lodge, G. A. 1966. Pig feeding practice and veterinary problems. I. The sow and the piglet. Vet. Rec. 78(13):438-442.

1966

- Lodge, G. A., Elsley, F. W. H., and MacPherson, R. M. 1966. The effects of level of feeding of sows during pregnancy. I. Reproductive performance. *Anim. Prod.* 8(1):29-38. (ABA 34:2285)
- Lodge, G. A., Elsley, F. W. H., and MacPherson, R. M. 1966. The effects of level of feeding of sows during pregnancy. II. Changes in body weight. *Anim. Prod.* 8(3):499-506.
- Lodge, G. A., Lewis, D., and Crehan, M. P. 1966. An assessment of optimal allowances of certain essential amino acids in the diet of the growing pig. *PIDA Index of Pig. Res.* Jan. pp. 81.
- Logan, J. R., and Medved, E. 1966. Effects of prior knowledge about composition on scoring of simulated meats. *Food Technol.* 20(5): 197-198.
- Lojda, L. 1966. The application of a cytological method to study congenital anomalies in animals (testicular hermaphroditism in a pig). *Eng. Sum. (Cz.) Vet. Med. (Praha)* 11:467-471. (ABA 35: 583)
- Long, James Irven. 1966. Relationship of free plasma amino acid levels to dietary protein in swine. Ph.D. Thesis, Iowa State U. Libr. Ames. Also Diss. Abs. 27:10B.
- Looker, M. 1966. 1,000 pigs from a single mating. *Pig Fmg.* 14(1):57.
- Lotito, A., and Cucurachi, A. 1966. On the acid composition of lard. *Eng. Sum. (Ital.) Riv. Ital. Sostanze Grasse* 43(11):499-504.
- Lucas, E. W., Speer, V. C., and Hays, V. W. 1966. Effect of protein intake on reproductive performance of sows. (Abs.) *J. Anim. Sci.* 25:1250.
- Lucas, L. E. 1966. Records - make use of them in selecting your boar. *U. Nebr. Anim. Sci. Dept., Swine Prog. Rpt.* 377. pp. 15-16.
- Luginbuhl, H., and Schnarr, W. R. 1966. Spontaneous atherosclerosis in swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 347-363.
- Lumb, G. D. 1966. Experimentally induced cardiac failure in swine: pathological changes. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 389-403.
- Lundin, L. A. 1966. The pattern of behaviour of pigs. Paper read at CIGR seminar, Sweden, 1966. *Abs. Farm Bldgs.* Nov.-Dec., pp. 15.

1966

- Maaske, C. A., Booth, N. H., and Nielsen, T. W. 1966. Experimental right heart failure in swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 377-387.
- MacFarlane, P. G., and Marer, J. M. 1966. An apparatus for determining the tenderness of meat. Food Technol. 20(6):134-135.
- MacIver, R. M. 1966. A controlled programme of selection for lean meat in a closed herd-progress report. PIDA Index of Pig Res. Jan. pp. 31.
- Magee, D. F., and Hong, S. S. 1966. Studies on pancreatic physiology in pigs. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 109-119.
- Magee, W. T. 1966. How commercial herds change genetically. Q. B. Mich. Agr. Expt. Sta. 48:4.
- Mahan, D. C., Pickett, R. A., Perry, T. W., Curtin, T. M., Featherston, W. R., and Beeson, W. M. 1966. Influence of various nutritional factors and physical form of feed on esophagogastric ulcers in swine. J. Anim. Sci. 25:1019-1023.
- Majerciak, P. 1966. Comparison of measurement by a leanmeter and ruler with actual backfat measurements as a basis for selection. Eng. Sum. (Cz.) Zivoc. Vyroba 11:415-420. (ABA 35:526)
- Majerciak, P., Poltarsky, J., and Vilimek, L. 1966. Effect of exercise of swine on the formation of muscles and deposition of fat in carcasses. Eng. Sum. (Cz.) Pol'nohospodarstvo 12(5):363-372. (ABA 35:1591)
- Mandigo, R. W., and Henrickson, R. L. 1966. Influence of hot processing techniques on various bacon parameters. (Abs.) J. Anim. Sci. 25:251.
- Marcarian, H. Q., and Calhoun, M. L. 1966. Microscopic anatomy of the integument of adult swine. Amer. J. Vet. Res. 27(118):765-781.
- Marsh, B. B., Woodhams, P. R., and Leet, N. G. 1966. Studies in meat tenderness. I. Sensory and objective assessments of tenderness. J. Food Sci. 31(2):262-267.
- Martin, A. H., and Fredeen, H. T. 1966. Radiography of the live animal as a technique for predicting carcass characteristics in swine. Canada J. Anim. Sci. 46(2):83-89. (ABA 35:527)

1966

- Marx, D., and Wettke, K. 1966. Reproductive behaviour of disease-free pigs and on the rearing of piglets in houses with areas protected from the sow. Eng. Sum. (Ger.) Berl. Munch. Tierarztl. Wschr. 79:375-378.
- Masek, N. 1966. Quantitative and qualitative indices of the semen of boars of the Czechoslovak Improved White swine breed collected fractionally. Eng. Sum. (Cz.) Zivoc. Vyroba. 11:795-806 (ABA 35:1688)
- Mason, J. V., and Sewell, R. F. 1966. Effect of diet on fatty acid composition of swine tissues. (Abs.) J. Anim. Sci. 25:392.
- Masters, C. J., and Hinks, M. 1966. Regulation of lactate dehydrogenase biosynthesis during morphogenesis (pig). Biochim. Biophys. Acta. 113:611-613.
- Masuda, H., Anderson, L. L., Henricks, D. M., and Melampy, R. M. 1966. Progesterone in ovarian venous plasma and corpora lutea of cycling, pregnant and hysterectomized pigs. (Abs.) Fedn. Proc. 25:444.
- Matousek, J., and Schroffel, J. 1966. Blood group substances A, Na and serum polymorphic characters in the ovarian follicle fluid of sows. Immunogenet. Lett. 4(4):182-185.
- Mayner, D. A. 1966. Enzymatic histochemistry of the ovary, testis and epididymis of the fetal pig. (Abs.) Anat. Rec. 154:384.
- Mayrose, V. B., Speer, V. C., and Hays, V. W. 1966. Effect of feeding levels on the reproductive performance of swine. J. Anim. Sci. 25:701-705. (ABA 35:1663)
- McCance, R. A., and Widdowson, E. M. 1966. Protein deficiencies and calorie deficiencies. Lancet. ii, 158.
- McCance, R. A., Southgate, D. A. T., Spencer, P. J., and Weston, P. D. 1966. The effect of normal development and of severe under-nutrition on some minor components of cortical bone. Biochem. J. 100:485-488.
- McCann, Lee Ivan. 1966. The effects of early experience and paternal irradiation upon avoidance learning, weight gain, and open field behavior in swine. Ph.D. Thesis, Iowa State U. Libr. Ames.
- McCarthy, J. C. 1966. History of pig breeding in Ireland. J. Dept. Agr. Repub. Ire. 63: 55-63. (ABA 35:1567)
- McClellan, R. O. 1966. Use of swine in radionuclide toxicity studies. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 447-462.

1966

McClellan, R. O., Horstmann, V. G., Clarke, W. J., and Bustad, L. K. 1966. Battelle-Northwest swine research facilities. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 661-671.

McClellan, R. O., Vogt, G. S., and Ragan, H. A. 1966. Age-related changes in hematological and serum biochemical parameters in miniature swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 597-610.

McClure, R. C. 1966. Preliminary studies of the development, calcification and eruption of the deciduous teeth in domestic swine. (Abs.) Anat. Rec. 154:385.

McFee, A. F., Knight, M., and Banner, M. W. 1966. An intersex pig with XX/XY leucocyte mosaicism. Canada J. Genet. Cytol. 8(3): 502-505. (ABA 35:1662)

McFee, A. F., Banner, M. W., and Rary, J. M. 1966. Variation in chromosome number among European wild pigs. Cytogenet. 5:75-81. (ABA 34:3137)

McFeely, R. A. 1966. A direct method for the display of chromosomes from early pig embryos. J. Reprod. Fert. 11:161-163. (ABA 34: 2263)

McFeely, R. A., and Hare, W. C. D. 1966. Cytogenetic studies of the domestic pig. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 13-23. (ABA 35:1643)

McGloughlin, P. 1966. Commercial pig improvement - through co-ops. Farm Res. News. 1966 7(5):114-115.

McIlwain, P. K., Andrews, M. F., Barnes, R. W., Bolin, F. M., and Eveleth, D. F. 1966. Occurrence of *Listeria monocytogenes* in the brains of wild and domestic animals. Amer. J. Vet. Res. 27(120):1497-1499.

McIntosh, J. E. A., and Bournsnell, J. C. 1966. Studies on boar seminal plasma proteins. 5. Carbohydrates and amino acids of the glycoprotein ("Fraction A dial") from boar seminal plasma. Biochim. Biophys. Acta. 130(1):252-254.

McLoughlin, J. V. 1966. Post mortem pH changes in skeletal muscle of curarized and anaesthetised pigs in relation to the role of muscle contraction in the aetiology of pale soft exudative muscle. (Abs.) Proc. 2nd Int. Cong. Food Sci. and Tech., Warsaw. pp. 105.

McLoughlin, J. V., and Davidson, V. E. J. 1966. Relationship between commercial methods of slaughter and the pH₁ value of porcine longissimus dorsi muscle. Irish J. Agr. Res. 5(1):55-62.

1966

- Meacham, T. N., and Thomas, H. R. 1966. Effect of level of nutrition and vitamin supplementation on the reproductive performance of gestating sows and gilts. Va. Livestk. Res. Prog. Rpt. 1965/66 pp. 80.
- Meade, R. J. 1966. Influence of energy and protein intakes on reproductive performance of sows and gilts. U. Minn. Anim. Husb. Dept. Mimeo Rpt. H-197. 15 pp.
- Meade, R. J., Dukelow, W. R., and Grant, R. S. 1966. Influence of per cent oats in the diet, lysine and methionine supplementation, and of pelleting on the rate and efficiency of gain of growing pigs, and on carcass characteristics. J. Anim. Sci. 25:58-63.
- Meade, R. J., Dukelow, W. R., and Grant, R. S. 1966. Lysine and methionine additions to corn-soybean meal diets for growing swine: effects on rate and efficiency of gain and carcass characteristics. J. Anim. Sci. 25:78-82.
- Meade, R. J., Dukelow, W. R., Grant, R. S., Hanke, H. E., Miller, K. P., Rust, J. W., and Hanson, L. E. 1966. Effects of feed and protein intakes on reproductive performance of gilts. (Abs.) J. Anim. Sci. 25:1244.
- Meade, R. J., Miller, K. P., Hanke, H. E., Rust, J. W., Grant, R. S., and Dukelow, W. R. 1966. Effects of systems of weaning, kind of starter and level of dietary protein on rate and efficiency of gain of growing swine, and on carcass characteristics. U. Minn. Anim. Husb. Dept. Mimeo Rpt. H-196.
- Meade, R. J., Grant, R. S., Hanke, H. E., Miller, K. P., Rust, J. W., Vermedahl, L. D., and Hanson, L. E. 1966. Composition of starter and protein level sequence. I. Effects on rate and efficiency of gain of pigs from 3 to 9 weeks. (Abs.) J. Anim. Sci. 25:1241.
- Meade, R. J., Miller, K. P., Rust, J. W., Grant, R. S., Hanke, H. E., Wass, D. F., Vermedahl, L. D., and Hanson, L. E. 1966. Composition of starter and protein level sequence. II. Effects on rate and efficiency of gain of pigs. (Abs.) J. Anim. Sci. 25:1242.
- Meade, R. J., Wass, D. F., Vermedahl, L. D., Dukelow, W. R., Grant, R. S., Hanke, H. E., Miller, K. P., and Hanson, L. E. 1966. Age at weaning, kind and protein content of starter. III. Effects on carcass characteristics. (Abs.) J. Anim. Sci. 25:1243.

1966

- Meding, J. H., and Rasbech, N. O. 1966. Investigations into A.I. in pigs. Eng. Sum. (Dan.) Annu. Rpt. Steril. Res. Inst. Copenhagen. pp. 185-194.
- Melampy, R. M. 1966. Hypophysical and uterine influence on pig luteal function. Symp. on Reprod. in the Female Mammal, Sch. of Agr., U. Nottingham, Eng. April 17-22.
- Melampy, R. M., Henricks, D. M., Anderson, L. L., Chen, C. L., Schultz, J. R. 1966. Pituitary follicle-stimulating hormone and luteinizing hormone concentrations in pregnant and lactating pigs. Endocrinol. 78(4):801-804.
- Melrose, D. R. 1966. Artificial insemination of pigs. A review of progress and of possible developments. (Abs.) Wld. Rev. Anim. Prod. II (Spec.):15-28 (ABA 34:889)
- Melrose, D. R. 1966. A review of progress and of possible developments in artificial insemination of pigs. Vet. Rec. 78(5):159-168. (ABA 34:2308)
- Merkel, R. A. 1966. Proposed changes in loin breaking point. Proc. 9th Natl. Pork Indus. Conf. Nov. 17-18, Waterloo, Iowa.
- Messersmith, R. E., Johnson, D. D., Elliott, R. F., and Drain, J. J. 1966. Value of chlortetracycline in breeding rations for sows. J. Anim. Sci. 25:752-755.
- Meyer, W. E., Moody, W. G., Humziger, G. D., Ringkob, T. P., Alexander, M. A., Zobrisky, S. E., and Hedrick, H. B. 1966. Application of ultrasonic techniques in live animal and carcass evaluation. Mo. Agr. Expt. Sta. Res. B. 905.
- Miller, E. R., and Ullrey, D. E. 1966. Electrocardiographic changes in normal and thiamine-deficient baby pigs. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 225-234.
- Miller, E. R., Ullrey, D. E., and Luecke, R. W. 1966. Relationships of growth, food intakes and serum and bone measures in the baby pig. (Abs.) Proc. 7th Int. Cong. Nutr. Hamburg. pp. 135.
- Mills, C. F. 1966. Nutritional influences in early life: some nutritional limitations to reproductive performance and growth in farm livestock. Proc. R. Soc. Med. 59(11):1075-1077.
- Mitchell, John, Jr., Atwood, James, Scott, K. W., Colvin, H. W. Jr., and Noland, P. R. 1966. Relationship of rate of metabolism and certain production traits in swine. (Abs.) J. Anim. Sci. 25:258.

1966

- Moav, R. 1966. Specialized sire and dam lines. I. Economic evaluation of crossbreds. Anim. Prod. 8(2):193-202.
- Moav, R. 1966. Specialized sire and dam lines. II. The choice of the most profitable parental combination when component traits are genetically additive. Anim. Prod. 8(2):203-211.
- Moav, R., and Hill, W. G. 1966. Specialized sire and dam lines. III. Choice of the most profitable parental combination when component traits are genetically non-additive. Anim. Prod. 8(3):365-374.
- Moav, R., and Hill, W. G. 1966. Specialized sire and dam lines. IV. Selection within lines. Anim. Prod. 8(3):375-390.
- Mobius, G., and Kompa, M. 1966. Investigation of the use of percentage fat content, surface-area quotient and fat deposition on side cuts as an over-all index for carcass composition. Eng. Sum. (Ger.) Arch. Tierz. 9:261-267. (ABA 35:528)
- Monciardini, R., and Succi, G. 1966. Considerations on the time of castration of piglets. Eng. Sum. (Ital.) Atti. Soc. Ital. Sci. Vet. 19:309-310.
- Montagna, W. 1966. The microscopic anatomy of the skin of swine and man. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 285-286.
- Moody, N. W., Speer, V. C., and Hays, V. W. 1966. Effects of supplemental milk on growth and survival of suckling pigs. (Abs.) J. Anim. Sci. 25:1250.
- Moody, N. W., Speer, V. C., and Hays, V. W. 1966. Reproductive performance of sows bred during the first estrus following early weaning. (Abs.) J. Anim. Sci. 25:1272-1273.
- Moody, W. G., and Zobrisky, S. E. 1966. Study of backfat layers of swine. J. Anim. Sci. 25:809-813. (ABA 35:1594)
- Moore, K. L. 1966. Sex chromatin of freemartins (cattle) and other animal (swine, goats, cats, dogs, mice, rats, rabbits, incl. + birds). The Sex Chromatin. Saunders, Philadelphia. pp. 229-240.
- Moore, R. E., Mandigo, R. W., and Henrickson, R. L. 1966. The effect of cutting, chilling, and cooking method on the quality of pork loin. Food Technol. 20(7):107-109.

1966

- Morgan, R. M., Goertel, J., and Schipper, I. A. 1966. Comparative hemograms of Hampshire and Duroc piglets. So. West. Vet. 20(1): 35-41.
- Morrison, J., Forbes, T. J., and Walker, N. 1966. A study of the effect of growth rate on carcass conformation and composition of bacon and pork pigs. PIDA Index of Pig Res. Jan. pp. 10.
- Morrison, S. R., Bond, T. E., and Heitman, H. Jr. 1966. Skin and lung moisture loss from swine. Proc. 59th Annu. Meet. ASAE, U. Mass, Amherst, June 26-29, Paper No. 66-441.
- Morrisette, M. C., and Cardilbag, P. T., and McDonald, L. E. 1966. Perfusion of the isolated ovary with a blood substitute (pig). (Abs.) Fedn. Proc. 25:251.
- Morrisette, M. C., and Omtvedt, I. T. 1966. Influence of progestogen-DES on sow productivity. (Abs.) J. Anim. Sci. 25:927.
- Moss, R. B., Williams, E. W., and Hale, O. M. 1966. Swine performance, carcass traits, and costs as affected by level of feed. Ga. Agr. Expt. Sta. Circ. (n.s) 48.
- Mount, L. E. 1966. Why controlled environment. Pig Fmg. June 1966. pp. 35-39.
- Mount, L. E. 1966. Thermal and metabolic comparison between the newborn pig and human infant. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 501-509.
- Mount, L. E. 1966. The Babraham pig section. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 633-636.
- Mount, L. E. 1966. The effect of wind-speed on heat production in the new-born pig. Q. J. Expt. Physiol. Cong. Med. Sci. 51(1): 18-26.
- Mount, L. E., and Holmes, C. W. 1966. The effect of ambient temperature on heat loss from groups of young growing pigs - progress report. PIDA Index of Pig Res. Jan. pp. 4.
- Moustgaard, J., and Hesselholt, M. 1966. Blood groups and serum protein polymorphism in pigs. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 25-44. (ABA 35:1645)
- Mrotek, J. J., Hoekstra, W. G., and First, N. L. 1966. Effect of boar semen senility on peroxidation of semen lipids. J. Anim. Sci. 25:688-692. (ABA 35:1689)

1966

- Mrotek, J. J., Hoekstra, W. G., and First, N. L. 1966. Effect of storage on peroxidation of boar semen. (Abs.) J. Anim. Sci. 25:927.
- Mudd, A. J. 1966. Investigations concerning certain mineral requirements of the growing pig. Ph.D. Thesis, U. of Newcastle upon Tyne. Libr. Newcastle-upon-Tyne. Eng.
- Mudd, A. J., Armstrong, D. G., and Smith, W. C. 1966. Data on the retention of major mineral elements by the growing pig and their use in assessing mineral requirements. Proc. 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp.
- Muggenburg, B. A., Kowalczyk, T., Hoekstra, W. G., and Grummer, R. H. 1966. Experimental production of gastric ulcers in swine by reserpine. Amer. J. Vet. Res. 27(121):1663-1669.
- Murgaski, S., Puhac, I., and Sevkovic, N. 1966. Study of the phenomenon of tail biting among swine under fattening. Eng. Sum. (Ser.) Vet. (Sarajevo) 15(2):223-232.
- Murphree, R. L. 1966. Facilities and management of swine at the University of Tennessee-Atomic Energy Commission. (UT-AEC) Agricultural Research Laboratory. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 673-678.
- Muyllé, E., Van den Hende, C., Oyaert, W., and Bouckaert, J. H. 1966. Changes in the blood of slaughter pigs. Eng. Sum. (Ger.) Deut. Tierarztl. Wschr. 73(16):385-390.
- Nachtwey, D. S., Ainsworth, E. J., Leong, G. F., and Page, N. P. 1966. Acute mortality response and recovery from radiation injury in swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 429-434.
- Nakanishi, T., and Suyama, K. 1966. Studies on phospholipids of meats. 1. Composition of phospholipids from muscles of some livestock. Eng. Sum. (Jap.) Jap. J. Zootech. Sci. 37(1):7-14.
- Nalbandov, A. V. 1966. Mechanism of formation and maintenance of corpora lutea (rat, pig, sheep, g. pig). (Abs.) Anat. Rec. 154:392-393.
- Neher, G. M., and Carter, J. M. 1966. Experimental rheumatoid-like arthritis in swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 235-248.

1966

- Nehring, K., Schiemann, R., and Hoffman, L. 1966. The energy evaluation of feedstuffs expressed as net energy for fat production. Eng. Sum. (Ger.) Wld. Rev. Anim. Prod. III (3):13-28.
- Neill, Jimmy Dyke. 1966. Effects of induced ovulation on maintenance of corpora lutea in the pregnant pig. Diss. Abs. 27:1272B-1273B.
- Nellor, J. E., and Brown, J. E. 1966. Leucocyte-like cells of the vagina and uterus, and their modification during the normal estrous cycle and by progestin and estrogen treatment (cattle, sheep, swine). Anat. Rec. 155:591-602.
- Nelson, M., and Boursnell, J. C. 1966. Studies on boar seminal plasma proteins. 4. Isolation of factors with haemagglutinating and protein-precipitating activity. Biochim. Biophys. Acta 117:144-156.
- Nie, C. J. Van. 1966. Two rare congenital heart defects in pigs. Eng. Sum. (Du.) Tijdschr. Diergeneesk. 91(2):89-95.
- Nielsen, P. B. 1966. Studies on the genetic relationship between the serum type and blood group systems in pigs. Eng. Sum. (Dan.) Annu. Rpt. Steril. Res. Inst. Copenhagen. pp. 65-74.
- Nielsen, T. W., Maaske, C. A., and Booth, N. H. 1966. Some comparative aspects of porcine renal function. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 529-536.
- Niespodziewanski, M. 1966. Histochemical activity of unspecific phosphatases in the developing cerebellum of the domestic pig. II. Nuclei of the cerebellum. Eng. Sum. (Pol.) Lublin. Ann. U. Marii Curie-Sklodowskiej. Sect. DD, 20:169-177.
- Nikolic, M., Puhac, I., Sreckovic, A., Sijacki, N., and Pavlovic, O. 1966. Influence of different environmental conditions upon growth, food conversion, carcass quality and physiological constants of fattening pigs. (Abs.) 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp. 51. (ABA 34:3114)
- Nizza, P. F. 1966. Some characteristics of the Corsican swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 775-779. (ABA 35:1572)
- Noland, P. R., Brown, C. J., and Gifford, W. 1966. Heritability of and genetic correlations among certain productivity traits in an inbred line of Poland China Swine. Ark. Agr. Expt. Sta. B. 706. (ABA 35:571)

1966

- Norrish, J. G. 1966. Improving grades by proper pig selection. Hog Prod. 2(3):10-11.
- O'Bannon, R. H., Wallace, H. D., Warnick, A. C., and Combs, G. E. 1966. Influence of energy intake on reproductive performance of gilts. J. Anim. Sci. 25(3):706-710. (ABA 35:1666)
- O'Bannon, R. H., Wallace, H. D., Warnick, A. C., and Combs, G. E. 1966. Phosphatase activity in reproductive tissue and its relationship to embryo survival in gilts. J. Anim. Sci. 25:711-715. (ABA 35:1667)
- Ogg, J. S. 1966. Agalactia - loss of milk in sows. Agr. N. Ireland 41(2):34-35.
- O'Grady, J. F. 1966. The effect of sex, plane of feed and slaughter weight on performance and carcass composition of pigs. (Abs.) 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp. 80 (ABA 34:3117)
- O'Grady, J. F. 1966. Effects of sex, plane of feed and slaughter weight on the performance, carcass and joint composition of bacon pigs. Irish J. Agr. Res. 5(2):197-213. (ABA 35:1596)
- O'Hara, P. J., and Shortridge, E. H. 1966. Congenital anomalies of the porcine central nervous system. New Zeal. Vet. J. 14(1):13-18. (ABA 34:2264)
- O'Hara, P. J., and Shortridge, E. H. 1966. Some diseases of the porcine central nervous system in New Zealand. New Zeal. Vet. J. 14(1):1-12.
- Ohnuma, H., and Otsuki, K. 1966. Simple method for counting abnormal spermatozoa of bulls, boars and rabbits with a phase contrast microscope. Eng. Sum. (Jap.) Jap. J. Anim. Reprod. 12:95-99.
- Ollivier, L. 1966. Interactions between genotype and fattening environment in Large White, Normand and Pietrain breeds of pigs. Eng. Sum. (Fr.) Ann. Zootech. 15(2):171-180.
- Omtvedt, I. T. 1966. Reproductive performance of sows fed at two levels during gestation. Okla. Agr. Expt. Sta. Misc. Pub. 78:14-18. (ABA 35:587)
- Omtvedt, I. T. 1966. The importance of the purebred breeder in commercial production. The Hampshire Herdsman 41(7):40-41. Also Okla. State U. Block and Bridle Club Ybk. 3:15. Stillwater.

1966

- Omtvedt, I. T., Whatley, J. A. Jr., and Willham, R. L. 1966.
Some production factors associated with weaning records in swine.
J. Anim. Sci. 25:372-376. (ABA 35:531)
- Orskov, E. R., and Hollier, D. A. 1966. A note on the correlations
between measurements on photographs of the cut sides of Wiltshire
bacon and on the live pig or newly slaughtered carcass. Anim.
Prod. 8(3):507-510. (ABA 35:532)
- Oslage, H. J. 1966. The distribution of N (protein) in the body of
growing pigs. (Abs.) Proc. 9th Int. Cong. Anim. Prod. Edinburgh,
Sci. Prog. pp. 80-81. (ABA 34:3118)
- Oslage, H. J., Fliegel, H., Farries, F. E., and Richter, K. 1966.
Nitrogen, fat, and energy deposition in growing fattening swine.
Eng. Sum. Z. Tierphysiol. Tiernahr. Futtermtlk. 21(1):50-65.
- Otel, V., and Feredean, T. 1966. Zygote transplantation. 1. Oestrus
synchronization and routine techniques of zygote collection in
sows. Eng. Sum. (Rum.) Lucr. Sti. Inst. Cerc. Zooteh. 24:291-
302. (ABA 35:589)
- Otto, E. 1966. Lean meat and fat deposit in pigs of various weights.
Eng. Sum. (Ger.) Fleischwirts. 46(11):1242-1244.
- Otto, E. 1966. Muscle and fat deposition in pigs. (Abs.) Rpt. 12th
Europ. Meat. Res. Conf. Aug. 14-16, Sandefjord, Norway. Amer.
Meat Sci. Assoc. pp. 14.
- Overskott, S. 1966. Inbreeding and relationship of Norwegian Landrace.
(Nor.) Buskap Avdratt. 18(2):102-103, 105.
- Overskott, S. 1966. Swine breeding for economic objectives. (Nor.)
Norsk. Landbruk. 12:10-11, 37.
- Owen, J. B., Carpenter, K. J., and Ridgman, W. J. 1966. Dietary bulk
and the voluntary intake of pigs. (Abs.) Anim. Prod. 8(2):362.
- Owen, V. M. 1966. Heat and moisture balance in livestock housing.
Shinfield Prog., July, 9:8-16.
- Oxenreider, Stanley Lowell. 1966. Unilateral regression of corpora
lutea and luteal function in the guinea pig with related studies
in swine. Diss. Abs. 27:1008B.
- Palludan, B. 1966. Direct effect of vitamin A on boar testis.
Nature (London) 211:639-640.

1966

- Palludan, B. 1966. Swine in teratological studies. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 51-78.
- Panu, A. 1966. Macroscopic and microscopic observations of endocrine glands of swine from iodine deficient areas stimulated with iodine proteins. Eng. Sum. (Rum.) Rev. Zootech. Med. Vet. 16(11):68-73.
- Parkes, A. S. 1966. Interstitial tissue of testes of certain Choeromorpha (pigs and others). Comparative Biology of Reproduction in Mammals. Acad. Press. pp. 141-154.
- Parrish, F. C., and Bailey, M. E. 1966. Physico-chemical properties and partial purification of porcine muscle cathepsin. J. Agr. Food Chem. 14(3):232-237.
- Patterson, R. L. S. 1966. Contribution of phenols to boar odor. (Abs.) Rpt. 12th Europ. Meat. Res. Conf. Aug. 14-16, Sandefjord, Norway. Amer. Meat Sci. Assoc. pp. 20-21.
- Patterson, R. L. S. 1966. Possible contribution of phenolic components to boar odour. Nature (London)212:744-745. (ABA 35:1668)
- Pearson, A. M. 1966. Meats. Introduction to Livestock Production. 2nd Ed. W. H. Freeman and Co., San Francisco and London. pp. 37-63.
- Pearson, A. M., Tarladgis, B. G., Spooner, M. E., and Quinn, J. R. 1966. The browning produced on heating fresh pork. II. The nature of the reaction. J. Food Sci. 31:184.
- Pearson, A. M., Reineke, E. P., Hoefer, J. A., and Morrow, R. E. 1966. Effect of environmental temperature and thiouracil feeding upon growing-fattening pigs. J. Anim. Sci. 25:994-999. (ABA 35:1598)
- Peart, W. S., Lubash, G. D., Thatcher, G. N., and Muiesan, G. 1966. Electrophoresis of pig and human renin. Biochim. Biophys. Acta. 118:640.
- Pekas, J. C., Thompson, A. M., and Hays, V. W. 1966. Characteristics of the exocrine pancreatic secretion of the young pig. J. Anim. Sci. 25:113-121.
- Perry, G. C. 1966. A comparison of five different systems of rearing piglets. (Abs.) Anim. Prod. 8(2):354.
- Perry, T. W., Pickett, R. A., Curtin, T. M., Beeson, W. M., and Nuwer, A. J. 1966. Studies on esophagogastric ulcers in swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 129-140.

1966

- →
- Pezacki, W., and Jaroszewski, Z. 1966. An attempt at objective appraisal of the pre-slaughter state of nutrition in pigs. Eng. Sum. (Pol.) Med. Wet. 22(11):664-670.
- Pfau, A., Lohse, B., and Schroder, J. 1966. Photometric estimation of meat quality characters. Lebensmittelunters u-Forsch. pp. 145-152.
- Piatkowski, B., and Jung, H. 1966. Protein deposition in pigs of varying sex and breed. I. Nitrogen retention and utilisation and weight increase in a single growth period. Eng. Sum. (Ger.) Arch. Tierzucht. 9(4):307-319. (ABA 35:1615)
- Pierce, A. E., and Smith, M. W. 1966. The in vitro transfer of bovine immune lactoglobulin across small intestines of new-born pigs. J. Physiol. (London) 186:85.
- Piercy, D. W. 1966. Vaginal flora of sows before and after parturition. Vet. Rec. 78:119.
- Pike, I., and Boaz, T. G. 1966. Effect of condition at service and feed level in pregnancy on the pregnant sow. (Abs.) Anim. Prod. 8(2):353.
- Pike, I., and Boaz, T. G. 1966. The effect of condition at service and feed level in pregnancy on nitrogen utilisation by the pregnant sow. (Abs.) Proc. 9th Int. Cong. Anim. Prod., Edinburgh, Sci, Prog. pp. 108.
- Pilchard, E. I. 1966. Reproductive problems in swine; a review. Iowa Vet. 37(4):7-14.
- Pinkas, A., Dimov, Ya., Beremski, S., and Boneva, L. 1966. Relationship between certain measurements of the carcass cross section at the last rib and the lean and fat of pigs of the White Bulgarian breed. Eng. Sum. (Bulgar.) Zivotn. Nauk. 3(4): 463-470.
- Pirchner, F. 1966. Breeding problems in meat production. Eng. Sum. (Ger.) Z. Tierz. Zucht. Biol. 82(2):139-153.
- Pirtle, E. C. 1966. Chromosomal variations in a pig kidney cell line persistently infected with hog cholera virus. Amer. J. Vet. Res. 27(118):737-745.
- Pirtle, E. C. 1966. Variation in the model chromosome number of two PK-15 porcine kidney cell lines. Amer. J. Vet. Res. 27(118):747-749.
- Persiani, G., Rognoni, G., Tardani, A., and Del Monte, R. 1966. Weight increase and carcass yield of F₁ (SPxLW) and F₁ (LWxSP) crossbred pigs fed on different dietary protein and lysine contents. Atti. Soc. Ital. Sci. Vet. 20:399-402.

1966

- Pohl, P., Antoine, O., Thomas, J., and Halen, P. 1966. Control of iron deficiency and its effects on the mortality of young pigs. Eng. Sum. (Fr.) Ann. Med. Vet. 110(5):346-363.
- Polge, C. 1966. Egg transplantation in the pig. Wld. Rev. Anim. Prod. 1966 (2):79-86.
- Polge, C. 1966. Recent advances in controlled breeding of pigs. (Rev.) Outl. Agr. 5:44-48. (ABA 34:2291)
- Polge, C., Rowson, L. E. A., and Chang, M. C. 1966. The effect of reducing the number of embryos during early stages of gestation on the maintenance of pregnancy in the pig. J. Reprod. Fert. 12(2):395-397. (ABA 35:1669)
- Pomeroy, R. W. 1966. Problems in pig carcass research. Inst. Meat. B. 51:23-31. (ABA 34:1370)
- Pond, W. G. 1966. Dietary protein and amino acid levels for maximum growth and carcass leanness of swine. Proc. U. Md. Nutr. Conf. Feed Mfrs. 1966:19-25.
- Pond, W. G., Wagner, W. C., and Dunn, J. A. 1966. Reproduction in swine fed a protein free diet or a 9 percent corn protein diet during gestation. Cornell U. Swine Div. Mimeo Ser. pp. 66-67.
- Pond, W. G., Barnes, R. H., Reid, I., Krook, L., Kwong, E., and Moore, A. U. 1966. Protein deficiency in baby pigs. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 213-224.
- Popovic, M. 1966. A contribution to the determination of percentage of water and dry nonprotein remainder in veal, beef and pork by means of Callow's mathematical method. Eng. Sum. (Se.) Vet. Glas. 20(5):363-369.
- Popovici, F., Radu, A., Nedelnicu, V., and Paraschivescu, G. 1966. Results of progeny testing the principal breeds and type of pig in Romania. Eng. Sum. (Rom). Lucr. Sti. Inst. Cerc. Zootec. 24:279-289. (ABA 35:553)
- Pratt, C. A., Nichols, C. W., and Omtvedt, I. T. 1966. Principles of swine breeding. Oklahoma State U. Ext. Facts No. 3600. Stillwater.
- Pratt, C. A., Nichols, C. W., and Omtvedt, I. T. 1966. Performance checklist for swine breeding. Oklahoma State U. Ext. Facts. No. 3601. Stillwater.

1966

- Pratt, C. W. M., and McNance, R. A. 1966. The structure of the long bones in pigs stunted by severe undernutrition. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 169-172.
- Psota, T., Gavora, J., and Dubayova, J. 1966. A contribution to the study of the effect of tissue biostimulators on weight gains of fattened swine. Eng. Sum. (Cz.) Pol'nohospodarstvo 12(4):282-287.
- Puhac, I., Tarasenko, B., and Jovanovic, V. 1966. Study of the effect of different types of farrowing boxes on the occurrence of the crushing of baby pigs. II. Design characteristics of boxes and some body measures of sows and baby pigs. Eng. Sum. (Se.) Vet. Glas. 20(4):251-258.
- Puhac, I., Tarasenko, B., and Jovanovic, V. 1966. Study of the effect of different types of boxes for farrowing on the occurrence of the crushing of baby pigs. III. The role of race, age and weight of the sows and the size of the litters as factor in the crushing of baby pigs. Eng. Sum. (Se.) Vet. Glas. 20(6):415-421.
- Puhac, I., Tarasenko, B., and Jovanovic, V. 1966. Study of the effect of different types of boxes for farrowing on the occurrence of crushing of baby pigs. IV. The role of the age, sex and weight of baby pigs as a factor in the crushing of baby pigs up to fourteen days old. Eng. Sum. (Se.) Vet. Glas. 20(7):509-514.
- Rabin, B. S., Kite, J. H., and Rose, N. R. 1966. Loss of organ specific characteristics of hog thyroid cells during growth in vitro. Proc. Soc. Expt. Biol. Med. 121(3):888-894.
- Radu, A., Popovici, F., Harsian, E., Davidov, M., Hagea, I., and Petcu, I. 1966. The effect of commercial crossing with Large White, Mangalitsa and Bazna sows and Landrace boars on the duration of fattening and carcass quality of the crossbreds. Eng. Sum. (Rom.) Lucr. Sti. Inst. Cerc. Zooteh. 23:19-29. (ABA 35:535)
- Ramsey, C. B., Lidvall, E. R., and Moore, C. P. 1966. Ultrasonic estimates of loin eye and backfat thickness of boars at 91 and 103 kg. bodyweight. (Abs.) J. Anim. Sci. 25:256.
- Ramsey, C. B., Lidvall, E. R., and Moore, C. P. 1966. Somascope estimates of loin eye area and backfat thickness of Duroc and Hampshire boars at 60, 200 and 230 pounds. Tenn. Fm. and Home Sci. Prog. Rpt. 59:6-9.

1966

- Rasbech, N. O. 1966. Gonadotropins and synthetic progesterones in the reproduction of swine. Eng. Sum. (Dan.) Annu. Rpt. Steril. Res. Inst. Copenhagen. pp. 195-204.
- Ratarasarn, S., and Koshi, J. H. 1966. Swine improvement project at Kasetsart University. Kasetsart J. 5(3,4):140-153.
- Rathmacher, R. P., Anderson, L. L., Henricks, D. M., and Melampy, R. M. 1966. Compensatory luteal function in the pregnant pig. (Abs.) J. Anim. Sci. 25:929.
- Ray, D. E., and Seerley, R. W. 1966. Oestrus and ovarian morphology in gilts following treatment with orally effective steroids. Nature (London) 211:1102-1103. (ABA 35:1670)
- Reed, R., Houston, T. W., and Todd, P. M. 1966. Structure and function of the sarcolemma of skeletal muscle. Nature (London) 211:534-536.
- Reedy, L. P., Heidenreich, C. J., Foley, C. W., and Curtis, S. E. 1966. Orally-administered glucose effects on swine. (Abs.) J. Anim. Sci. 25:1267.
- Reese, N. A., Muggenburg, B. A., Kowalczyk, T., Grummer, R. H., and Hoekstra, W. G. 1966. Nutritional and environmental factors influencing gastric ulcers in swine. J. Anim. Sci. 25:14.
- Reimann, E. M., Maxwell, C. V., Hoekstra, W. G., Grummer, R. H., Muggenburg, B. A., and Kowalczyk, T. 1966. Effect of ration particle size on composition of swine gastric contents. (Abs.) J. Anim. Sci. 25:1247.
- Rempel, W. E., and Dettmers, A. E. 1966. Minnesota's miniature pigs. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 781-787.
- Rerat, A. 1966. Research on pig production in France. Eng. Sum. (Fr.) Wld. Rev. Anim. Prod. 1966(2):39-65. (ABA 35:508)
- Reutzel, Lawrence F. 1966. Genetic and phenotypic relationships involving age at puberty and growth rate in gilts. M.S. Thesis. U. Nebr. Libr., Lincoln.
- Rhode, E. A., Kines, H., and Holt, J. P. 1966. Simultaneous estimation of right and left ventricular volumes, forces, wall thicknesses and elasticity constants in horses and swine. (Abs.) Fed. Proc. 25:206.

1966

- Rigby, J. P. 1966. The persistence of spermatozoa at the uterotubal junction of the sow. *J. Reprod. Fert.* 11:153-155. (ABA 34:2292)
- Rigor, E. M., Fajardo, R. C., and Supnet, M. G. 1966. Puberty and its relationships with growth rate in two strains of improved pigs. (Abs.) 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp. 82 (ABA 34:3152)
- Rigor, E. M., Fajardo, R. C., and Supnet, M. G. 1966. Performance of Philippine pig-Landrace and Large White-Landrace-Philippine pig crosses. *Proc. 11th Pac. Sci. Cong.*, Tokyo.
- Rittler, A. 1966. The use of ultrasonic measuring as an aid to breeding value estimation in young boars. *Eng. Sum. (Ger.) Zuchtungskunde* 38(1/2):11-22. (ABA 34:3138)
- Ritze, W., and Englisch, H. G. 1966. Studies on the fattening and slaughter performance of German Landrace of modern meat pig type at different feeding levels. *Eng. Sum. (Ger.) Arch. Tierzucht.* 9(1/2):53-66.
- Robertson, A., and Rowntree, P. G. M. 1966. A comparison of the performance of minimal disease pigs and conventional animals maintained under similar conditions of management. *PIDA Index of Pig Res.* Jan. pp. 51.
- Robertson, J. B., Laird, R., Hall, J. K. S., Forsyth, R. J., Thomson, J. M., and Walker-Love, J. 1966. A comparison of two indoor farrowing systems for sows. *Anim. Prod.* 8(2):171-177.
- Robertson, I. S. 1966. Castration in farm animals: its advantages and disadvantages. *Vet. Rec.* 78:130-140.
- Robinson, D. W. 1966. Sex differences in the response of pigs to dietary amino-acid supplementation, with reference to growth and body composition. *J. Sci. Food Agr.* 17(1):1-6.
- Robinson, D. W., and Singleton, A. G. 1966. The effect of Norbolethone, an anabolic steroid, on the performance and body composition of castrate pigs. *Anom. Prod.* 8(1):65-73. (ABA 34:2245)
- Roesel, Oscar Fredrick. 1966. A stereotaxic method of hypophysectomy and the effects of B-irradiation of the pituitary gland in sexually immature male swine. *Diss. Abs.* 27:593B.

- Rombauts, P., and Fevre, J. 1966. Action of ovarian steroid hormones on protein metabolism in the sow. Eng. Sum. (Fr.) Z. Tierphysiol. Tiernahr. Futtermtlk. 21(2):97-102.
- Rottenberg, D. A., and Boursnell, J. C. 1966. Studies on boar seminal plasma proteins. 5. Carbohydrates and amino acids of the water-insoluble glycoprotein (Fraction B) from boar seminal plasma. Biochim. Biophys. Acta 117:157-162.
- Rowinski, P. 1966. Biochemical changes in meat in long storage. Eng. Sum. (Ger.) Z. Tierz. Zucht. Biol. 82(3):317-335.
- Rowsell, H. C., Mustard, J. F., and Downie, H. G. 1966. Atherosclerosis in swine fed normal rations and lipid enriched diets. Acta Cardio. Sup. 11:222.
- Rowsell, H. C., Mustard, J. F., Packham, M. A., and Dodds, W. J. 1966. The hemostatic mechanism and its role in cardiovascular disease of swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 365-376.
- Rowson, L. E. A., Harrop, A. E., Dauzier, L., Nishikawa, Y., Melrose, D. R., Cooper, D. M., Adams, C. E., and Varadin, M. 1966. A. I. (pigs). Int. Encyclop. Vet. Med. W. Green & Son. pp. 257-291.
- Rozyczka, J., Kortz, J., and Kolaczyk, S. 1966. A simplified method of objective colour measurement in fresh pork meat. (Abs.) 2nd Int. Cong. Food Sci. Technol. Warsaw, Poland. pp. 417.
- Ruiz, M. E., Speer, V. C., and Hays, V. W. 1966. Effect of antibiotics and feed intake during breeding on reproduction of gilts. (Abs.) J. Anim. Sci. 25:1250.
- Rulcker, C., Lindberg, P., and Lannek, N. 1966. Measurement of pork and beef colour by colour photography and spectrophotometry. Acta. Vet. Scand. 7:391-393.
- Rust, R. E. 1966. Pork carcass measurements-what do they mean. ISU, Coop. Ext. Ser. March. AS-156.
- Rust, R. E. 1966. What consumers think about pork. Proc. 9th Natl. Pork Indus. Conf. Nov. 17-18, Waterloo, Iowa. Also Natl. Provisioner 155(2):24-26, 35-36.

1966

- Rutgers, A. 1966. Organization and results of A.I. in pigs in the Netherlands. Wld. Rev. Anim. Prod. II. Spec. pp. 55-63.
- Saison, R. 1966. N blood group system of pigs. Nature (London) 211:768. (ABA 35:572)
- Salmon-Legagneur, E., Legault, C., and Aumaitre, A. 1966. Relationship between weight changes in the breeding sow and the efficiency of production. Eng. Sum. (Fr.) Ann. Zootech. 15(3):215-229.
- Saunders, C. N., Kinch, D. A., and Imlah, P. 1966. Thrombocytopenic purpura in pigs. Vet. Rec. 79(19):549-550.
- Sawyer, D. C., and Stone, H. L. 1966. Thoracic surgery for electromagnetic flow sensor implantation on miniature swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 405-409.
- Sayre, R. N., Para, J., and Briskey, E. J. 1966. Protein alterations and associated changes in porcine muscle as influenced by maturity, genetic background and post-mortem muscle temperature. J. Food Sci. 31(6):819-824.
- Schally, A. V., Bowers, C. Y., and Redding, T. W. 1966. Presence of thyrotropic hormone-releasing factor (TRF) in porcine hypothalamus. Proc. Soc. Expt. Biol. Med. 121(3):718-722.
- Schally, A. V., Redding, T. W., Barrett, J. F., and Bowers, C. Y. 1966. Purification of porcine thyrotropin releasing factor. (Abs.) Fed. Proc. 25:348.
- Schally, A. V., White, W. F., Cohen, A., Arimura, A., Corbin, A., and Saito, T. 1966. FSH & LH releasing factors from pig hypothalamus. Prog. and Abs. 48th Meet. of the Endocrine Soc. June 20-22, Oklahoma City.
- Schilling, E. 1966. Muscle structure and meat quality. Eng. Sum. (Ger.) Z. Tierz. Zucht. Biol. 82(3):219-243. (ABA 35:536)
- Schluter, Gerald Emil. 1966. Role of gain as an economic criterion in evaluating the performance of swine finishing rations. MS Thesis, Iowa State U. Libr., Ames.
- Schneider, D. L., Gallo, D. G., and Sarett, H. P. 1966. Effect of cholestyramine on cholesterol metabolism in young adult swine. Proc. Soc. Expt. Biol. Med. 121(4):1244-1248.

1966

- Schneider, D. L., and Sarett, H. P. 1966. Nutritional studies on hysterectomy-obtained SPF baby pigs fed infant formula products. J. Nutr. 89:158-164.
- Scholz, K. 1966. Behaviour of fattening pigs in large groups and its influence on pen design. (Abs.) CIGR seminar, Sweden. Abs. in Fm. Bldgs., Nov.-Dec. pp. 16.
- Schomberg, David William. 1966. Progesterone and its metabolites in the sow. Diss. Abs. 27:87B.
- Schomberg, D. W., Jones, P. H., Erb, R. E., and Gomes, W. R. 1966. Metabolites of progesterone in urine compared with progesterone in ovarian venous plasma of the cycling domestic sow. J. Anim. Sci. 25:1181-1185.
- Schomberg, D. W., Jones, P. H., Featherston, W. R., and Erb, R. E. 1966. Identification of metabolites of progesterone 4-¹⁴C in domestic sow urine. Steroids 8:277-288.
- Schon, L. 1966. The effect of changes in pig breeding on the composition of the pork carcass and the consequences this has for meat marketing. Eng. Sum. (Ger.) Fleischwirt. 46(9): 978-980.
- Schroffel, J. 1966. New genetic variants of transferrins and haptoglobins in pigs. Nature (London) 210(5042):1274-1275. (ABA 34:3139)
- Schul, G. A. (II), Foley, C. W., Heinze, C. D., Erb, R. E., and Harrington, R. B. 1966. Some effects of the porcine female reproductive tract on metabolism of boar spermatozoa. J. Anim. Sci. 25:406-409. (ABA 35:616)
- Schultz, J. R., Speer, V. C., Hays, V. W., and Melampy, R. M. 1966. Influence of feed intake and progestogen on reproductive performance in swine. J. Anim. Sci. 25:157-160. (ABA 34:2295)
- Schumm, H. R., Otto, E., Sieg, G., Frederich, W., and Schaaf, A. 1966. Contribution to performance testing of pigs. Eng. Sum. (Ger.) Arch. Tierzucht. 9(1/2):37-51. (ABA 35:554)
- Segre, D. 1966. Swine in immunologic research. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 263-272.
- Sekhon, G. S., and Gehlon, M. S. 1966. Breeding season in Yorkshire sows in arid areas. Indian Vet. J. 43(4):350-353. (ABA 35:595)

1966

- Sewell, R. F., and Miller, I. L. 1966. Fatty acid composition of testicular tissue from EFA-deficient swine. J. Nutr. 88:171-175.
- Sharp, J. G. 1966. Ways of influencing tenderness in meat. Roy. Soc. Hlth. J. 86(3):156-162.
- Sharpe, H. B. A. 1966. Pre-weaning mortality in a herd of Large White pigs. Brit. Vet. J. 122(3):99-111. (ABA 35:537)
- Sheffer, and Tsintsadze, 1966. Factors determining the quality of quick-frozen ready-to-cook pork products. (Abs.) 12th Europ. Meat Res. Conf. Aug. 14-16, 1966. Sandefjord, Norway. Amer. Meat Sci. Assoc. Rpt. pp. 18-19.
- Shelby, C. E. (Editor) 1966. Twenty-ninth Annual Report, 30th June, 1966 and Record of Proceedings, Conference of Collaborators, July 11-13, 1966, USDA, ARS, AHRD, Swine Res. Br., Reg. Swine Breed. Lab. Ames, Iowa. 150 pp. Mimeo.
- Shelby, C. E. 1966. Bibliography on swine improvement. IV. Supplement. During the period 1897-1964. Reg. Swine Breed. Lab. Ames, Iowa. 150 pp. Mimeo.
- Shelby, C. E. 1966. Bibliography on swine improvement. V. During the period 1965. Reg. Swine Breed. Lab., Ames, Iowa. 63 pp. Mimeo.
- Shelby, Donald R. 1966. Influence of incubation temperature on the metabolism of porcine male germ cells suspended in an artificial medium. Diss. Abs. 27:594B.
- Shelby, D. R., and Foley, C. W. 1966. Influence of carbon dioxide absorbent on the consumption of oxygen by boar spermatozoa. J. Anim. Sci. 25:352-354. (ABA 35:617)
- Shelby, D. R., and Foley, C. W. 1966. Metabolism of washed boar sperm in air and 100% N₂. (Abs.) J. Anim. Sci. 25:930.
- Sherritt, G. W., and Ziegler, J. 1966. Market hog evaluation on liveweight equitable. Natl. Hog Fmr. Oct. pp. 21.
- Shireman, Rachel (Baker). 1966. Effects of iron on erythrocyte sedimentation rate, serum iron, and plasma proteins of pigs from birth to six weeks of age. M.S. Thesis, Iowa State U. Libr., Ames.

1966

- Sibalin, M., and Bjorkman, N. 1966. On the fine structure and absorptive function of the porcine jejunal villi during the early suckling period. *Expt. Cell. Res.* 44(1):165-174.
- Sidor, V. 1966. Utilization of supersonic vibrations for grading qualities of live swine. *Eng. Sum. (Cz.) Pol'nohospodarstvo* 12(1):36-44. (ABA 35:1602)
- Siers, David. 1966. Predicting ham and loin percent from ultrasonic measurements. M.S. Thesis. Iowa State U., Libr. Ames.
- Signoret, J. P. 1966. A.I. in pigs in France. *Eng. Sum. (Fr.) Wld. Rev. Anim. Prod. II (Spec):*84-86.
- Siler, R., and Nedelova, S. 1966. Preliminary results on maternal influence in the pig. (Abs.) *Proc. 9th Int. Cong. Anim. Prod. Edinbrugh, Sci. Prog.* pp. 52-53. (ABA 34:3120)
- Simkova, A., and Simek, L. 1966. Changes of the pantothenic acid content in the milk of sows during lactation. *Eng. Sum. (Cz.) Zivoc. Vyroba.* 39(3):159-162.
- Sink, J. D., Judge, M. D., Cassens, R. G., Hoekstra, W. G., Grummer, R. H., and Briskey, E. J. 1966. Preliminary investigation of certain aspects of myoclonia congenita in swine. *Amer. J. Vet. Res.* 27(120):1494-1497.
- Skarman, S. 1966. Cross-breeding experiments in Sweden. Breeding for Pig Improvement. PIDA Conf. Brighton, Sussex, April 13-15, VII of IX Booklets. 15 pp.
- Skarman, S. 1966. Swedish boar tests by echo-sounding. Breeding for Pig Improvement. PIDA Conf., Brighton, Sussex, April 13-15. (ABA 35:556)
- Skelley, G. C., Jr., and Handlin, D. L. 1966. Some relationships in pork carcass evaluation. (Abs.) *J. Anim. Sci.* 25:887.
- Skold, B. H., Getty, R., and Ramsey, F. K. 1966. Spontaneous atherosclerosis in the arterial system of aging swine. *Amer. J. Vet. Res.* 27(116):257-273.
- Sljivovacki, K., and Velickovic, G. 1966. Efficiency of supplemental rations of minor elements in the nutrition of pregnant sows. I. the effect of cobalt, zinc and manganese on the size of litter and weight of baby pigs. *Eng. Sum. (Se.) Vet. (Sarajevo)* 15(1): 23-27.

1966

- Sljivovacki, K., Mitic, N., and Kostic, J. 1966. The effectiveness of feeding pregnant swine during various periods of pregnancy with rations of different levels and sources of energy. Eng. Sum. (Se.) Vet. (Sarajevo) 15(2):181-188.
- Smidt, D., and Steinbach, J. 1966. Investigations on heat synchronization in pigs. Symp. on A.I. in pigs. 8th Stud. Meet. EAAP. Noordwijk, Netherlands June 21, 1964. Wld. Rev. Anim. Prod. II (Spec): (ABA 34:889)
- Smidt, D., Steinbach, J., and Scheven, B. 1966. Use of miniature pigs in reproductive biology research. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 45-50. (ABA 35:1674)
- Smidt, D., Steinbach, J., and Scheven, B. 1966. Reciprocal egg transfer between German improved Landrace pigs and miniature pigs. Eng. Sum. (Ger.) Zuchthyg. 1:156-166.
- Smirnov, N. P. 1966. The role of genetics in the breeding of farm animals (pigs). Soviet Genet. 2(1):86-90 from Genetika 2(1): 142-149.
- Smith, C. 1966. Scientific aspects of cross-breeding. Breeding for Pig Improvement. PIDA Conf. Brighton, Sussex, April 13-15, VIII of IX Booklets. 11 pp.
- Smith, C. 1966. A note on the heritability of leg weakness scores in pigs. Anim. Prod. 8(2):345-348. (ABA 34:3141)
- Smith, J. Jr., and Clawson, A. J. 1966. Effect of protein level and ration of protein from corn and soybean meal on performance and carcass characteristics of swine. (Abs.) J. Anim. Sci. 25:895.
- Smith, W. C., and Tonks, H. M. 1966. The effect of a high-temperature, high-humidity indoor environment on the performance of bacon pigs. (Abs.) 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp. 51-52. (ABA 34:3121)
- Smith, W. C., Tonks, H. M., and Lawrence, N. 1966. The back rasher ratio as a predictor of lean content of the pig carcass. (Abs.) Anim. Prod. 8(2):355.
- Spencer, R., and Taylor, A. McM. 1966. Influence of the composition of the gaseous environment on the changes taking place in smoked Wiltshire bacon during storage. 12th European Meet. Meat Res. Wkrs. Norway. Aug. 14-19.

1966

- Spurrell, F. A., Felts, W. J. L., and Baudin, L. V. 1966. Osteon development in swine. I. Evaluation of the Osteon in nutritional and developmental studies by microradiography. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 173-192.
- Sreckovic, A., Pavlovic, M., Nikolic, M., and Bokorou, T. 1966. Influence of basic energy source upon growth, food conversion and carcass quality in fattening pigs for bacon and pork. (Abs.) 9th Int. Cong. Anim. Prod. Edinburgh, Sci. Prog. pp. 7.
- Standal, N. 1966. On the farm testing scheme and its combinations with other testing schemes in Norway. EAAP Meet., Aberdeen, Scotland.
- Standal, N., Bjorkoy, J., and Jenssen, T. 1966. Comparison of production characteristics of regular commercial weaner pigs and progeny of selected parents ("prime pigs"). Eng. Sum. (Nor.) Meld. Norg. Landbruks 45(11):14.
- Stanislaw, C. M. 1966. A covariance analysis between purebred and crossbred populations of swine. Ph.D. Thesis, Okla. State U. Libr. Stillwater.
- Stanislaw, C. M., Omtvedt, I. T., Willham, R. L., and Whatley, J. A. Jr. 1966. Genetic parameters for purebred and crossbred pigs by the same sire. (Abs.) J. Anim. Sci. 25:880.
- Stant, Edwin Garner, Jr. 1966. Relationship between changes in body composition and potassium content of the growing pig. Diss. Abs. 27:344B.
- Starr, J. L. 1966. Fractionations of porcine macroglobulins. Nature (London) 211:415-416.
- St. Clair, R. W., Booth, N. H., and Hopwood, M. L. 1966. Influence of hypertension, sex, and estrogen on metabolism of swine arteries. Amer. J. Physiol. 210(4):880-884.
- Steane, D. 1966. Dealing with defects. Pig Fmg. Oct. pp. 24-25,33.
- Stebbins, M. E., and Gray, D. E. 1966. An annotated bibliography of surveys of the incidence of diseases of farm animals and birds in Great Britain. Supplement for 1962-1965. Part II. Pigs and sheep (surveys 237-263). Brit. Vet. J. 122:453-457.
- Sterzl, J., Rejnek, J., and Travnicek, J. 1966. Impermeability of pig placenta for antibodies. Folia Microbiol. (Praha) 11(1):7-10.

1966

- Stevermer, E. J. 1966. Reducing hog backfat doesn't slow gain. Wallace Fmr., April 9. pp. 68.
- Stevermer, E. J. 1966. Iowa Swine Testing Station barrow facts from 10 years of research. Wallace Fmr. August.
- Stockhausen, C. W. F., and Boylan, W. J. 1966. Heritability and genetic correlation estimates in a new breed of swine. (Managra) Canada J. Anim. Sci. 46:211-216. (ABA 35:1649)
- Stone, H. L., and Sawyer, D. C. 1966. Cardiac output and related measurements in unanesthetized swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 411-418.
- Stothers, S. C. 1966. Effects of temperature, plane of nutrition and protein levels on reproductive performance of swine. 15th Rpt. on Lvstk. Res. U. Manitoba, Dept. Anim. Sci. Winnipeg, Manitoba, Canada.
- Stothers, S. C., and Ting, K. C. 1966. Effects of temperature, plane of nutrition and protein levels on reproductive performance of swine. (Abs.) J. Anim. Sci. 25:882.
- Stouffer, J. R. 1966. Objective technical methods for determining carcass value in live animals with special emphasis on ultrasonics. Wld. Rev. Anim. Prod. 1966 (1):59-66. (ABA 34:890)
- Strunz, K., and Fricke, R. 1966. The composition of baby pig carcasses after ad libitum feeding with feed mixtures rich or poor in proteins. III. The energy content. Eng. Sum. (Ger.) Z. Tierphysiol. Tiernahr. Futtermtlk. 21(4):195-206.
- Sumption, L. J. 1966. Carcass evaluation. U. Nebr. Anim. Sci. Dept., Swine Prog. Rpt. 377. pp. 19-21.
- Sumption, L. J. 1966. Practical swine breeding programs. ISU, Coop. Ext. Serv. March. AS-156.
- Suzuki, S., Oikawa, T., and Tanaka, K. 1966. Studies on blood groups of pigs. II. Classification of blood types by naturally occurring isohemolysin. Eng. Sum. (Jap.) Jap. J. Zootech. Sci. 37:76-81. (ABA 34:2269)
- Swierstra, E. E. 1966. Sperm formation and sperm output in Yorkshire and Lacombe boars. (Abs.) J. Anim. Sci. 25:931.
- Sybesma, W. 1966. Pneumonia of pigs and its influence on meat quality. (Abs.) Rpt. 12th Europ. Meat Res. Conf. Aug. 14-16, Sandefjord, Norway. Amer. Meat Sci. Assoc. pp. 17.

1966

- Sybesma, W. 1966. Measuring the difference in the occurrence of rigor mortis in hams. Eng. Sum. (Ger.) Fleischwirtsch 46(6): 637-639.
- Sybesma, W., and Van Logtestijn, J. G. 1966. Pre-slaughter temperature and its effect on the post-mortem metabolism in pig muscle. (Abs.) Rpt. 12th Europ. Meat Res. Conf. Aug. 14-16, 1966. Sandefjord, Norway. Amer. Meat Sci. Assoc. pp. 31.
- Szakaly, M. 1966. Myoglobin reactions. Eng. Sum. (Ger.) Z. Tierz. Zucht. Biol. 82(3):265-270.
- Tacu, A., Vermesan, N., and Rosca, N. 1966. The growth of muscle fibre and the dynamics of various constituents of the meat of pigs during the fattening period. Eng. Sum. (Rom.) Lucr. Sti. Inst. Cerc. Zootech. 23:75-112. (ABA 35:540)
- Tan, T. K. 1966. Analysis of progeny records in Lacombe swine. M.S. Thesis, U. Alberta Libr. Edmonton, Alberta, Canada.
- Taylor, A. McM. 1966. The incidence of watery muscle in commercial British pigs. J. Food Technol. 1:193-199.
- Taylor, J. C., Earl, F. L., and Kincaid, C. M. 1966. Development of miniature swine for drug toxicity studies. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 797-801.
- Teague, H. S., Roller, W. L., and Grifo, A. P. Jr. 1966. The effect of high temperature and variable humidity on the reproductive performance of gilts. Ohio Agr. Res. and Dev. Cntr. Wooster. Res. Summ. 13. Swine Res. pp. 5-7. (ABA 35:1676)
- Teague, H. S., Roller, W. L., and Grifo, A. P. Jr. 1966. Breeding and early gestation performance of swine under controlled thermal environment. (Abs.) J. Anim. Sci. 25:882.
- Tegeris, A. S., Earl, F. L., and Curtis, J. M. 1966. Normal hematological and biochemical paramaters of young miniature swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 575-596.
- Tester, J. 1966. With pigs the teat order matters, so devil take the hindmost. Mod. Fmr. 4(6):27. Nov./Dec. 1966.
- Thibault, C., Courit, M., Martinet, L., Mauleon, P., Du Mesnil Du Buisson, F., Ortavant, R., Pelletier, J. and Signoret, J. P. 1966. Regulation of breeding season and estrous cycles by light and external stimuli in some mammals (incl. cattle, sheep, pig, vole, rabbit). J. Anim. Sci. 25. Suppl.:119-142.

1966

- Thomas, N. W., Addis, P. B., Johnson, H. R., Howard, R. D., and Judge, M. D. 1966. Effects of environmental temperature and humidity during growth on muscle properties of two porcine breeds. *J. Food Sci.* 31(3):309-312. (ABA 35:541)
- Thomke, S., Pira, C., and Persson, K. A. 1966. The effects of feeding storage-deteriorated and normal barley soaked and unsoaked on the growth and carcass quality of pigs. (Abs.) Rpt. 12th Europ. Meat Res. Conf. Aug 14-16, 1966 Sandefjord, Norway. *Amer. Meat Sci. Assoc.* pp. 17.
- Thurley, D. C. 1966. Disturbances in endochondral ossification associated with acute swine fever infection. *Br. Vet. J.* 122:177.
- Thurley, D. C. 1966. Leg weakness in pigs. EAAP Meet. Aberdeen, Scotland.
- Todd, A. C. E., and Daniels, L. J. 1966. The performance and carcass characteristics of growing pigs fed once or twice daily. *Aust. J. Expt. Agr. Anim. Husb.* 6:452-454.
- Topel, D. G. 1966. Where we are in Pork Carcass Research. *Proc. 9th Natl. Pork Indus. Conf.* Nov. 17-18, Waterloo, Iowa.
- Topel, David Glen. 1966. Role of the adrenal cortex and thyroid gland function upon some physical and chemical properties of porcine muscle. *Diss. Abs.* 26:4561-4562.
- Topel, D. G., and Merkel, R. A. 1966. Effect of exogenous goitrogens upon some physical and biochemical properties of porcine muscle and adrenal gland. *J. Anim. Sci.* 25:1154-1158.
- Topel, D. G., Merkel, R. A., Mackintosh, D. L., and Hall, J. L. 1966. Variations of some physical and biochemical properties within and among selected porcine muscles. *J. Anim. Sci.* 25:277-282.
- Torek, F., Lettner, F., Steinacker, G., and Pichler, W. 1966. The correlation between organoleptic evaluation of measurable characteristics of pig meat. *Eng. Sum. (Ger.) Zuchtungskunde* 38(1/2):65-70.
- Travnicek, J. 1966. Allotypic specificities in pigs. *Folia Microbiol.* 11(1):11-13.
- Travnicek, J. 1966. Allotypic specificities in pigs. II. Types of frequency of allotypic specificities of gamma-M globulin in pigs. *Folia Microbiol.* 11(5):406-407.

1966

- Tremere, A. W., Owen, B. D., and Bell, J. M. 1966. Relationship between blood serum lipid and protein constituents and carcass measurements in swine. *J. Anim. Sci.* 25:138-141. (ABA 34:2249)
- Trimarchi, G. 1966. Effects of the weaning technique on the weight increase in piglets. *Eng. Sum. (Ital.) Atti. Soc. Ital. Sci. Vet.* 19:311-314.
- Tsintsadzeh, Sheffer, and Lyaskovskaya, 1966. A spectrophotometric study into the color of natural pork ready-to-cook products during freezing and storing. (Abs.) Rpt. 12th Europ. Meat Res. Conf. Aug. 14-16, 1966 Sandefjord, Norway. *Amer. Meat Sci. Assoc.* pp. 25.
- Tuomy, J. M., Felder, J., and Helmer, R. L. 1966. Relation of pork loin weight to shearforce values, panel scores, fat in lean meat, and cutout percentages. *Food Technol.* 20(4):174-176.
- Turek, F., Lettner, F., and Haiger, A. 1966. Meat quality investigations in the pig. *Eng. Sum. (Ger.) Bodenkultur* 17:64-71. (ABA 35:542)
- Turek, F., Lettner, F., Steinacker, G., and Pichler, W. 1966. Relationships between organoleptic evaluation and measurable characters of pig meat quality. *Eng. Sum. (Ger.) Zuchtungskunde* 38(1/2):65-70. (ABA 35:543)
- Turman, E. J., Hillier, J. C., Sharp, A., Lawrence, J., and Tilton, J. 1966. A comparison of the effects of handmating and lot mating on the reproductive performance of gilts. *Okla. Agr. Expt. Sta. Misc. Publ.* 78:25-33. (ABA 35:598)
- Twiehaus, M. J., and Welch, L. C. 1966. Control of atropic rhinitis and virus pig pneumonia in specific-pathogen-free miniature swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 757-759.
- Uesugi, S., and Yamazoe, S. 1966. Presence of sodium-potassium-stimulated ATPase in boar epididymal spermatozoon. *Nature (London)* 209:403-404. (ABA 34:1430)
- Ullrey, D. E., Long, C. H., and Miller, E. R. 1966. Absorption of intact protein from the intestinal lumen of the neonatal pig. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 249-262.

1966

- Ullrey, D. E., Miller, E. R., Brent, B. E., and Bradley, B. L. 1966. Swine serum electrolyte concentrations from birth to three months of age. (Abs.) Proc. 7th Int. Cong. Nutr. Hamburg. pp. 274.
- Urban, W. E., Shelby, C. E., Chapman, A. B., Whatley, J. A. Jr., and Garwood, V. A. 1966. Genetic and environmental aspects of litter size in swine. J. Anim. Sci. 25:1148-1153. (ABA 35:1653)
- Van Der Horst, C. J. G., and Grooten, H. J. G. 1966. Occurrence of hypotaurine and other sulfur-containing amino acids in seminal plasma and spermatozoa of boar, bull, and dog. Biochim. Biophys. Acta. 117:495-497.
- Van Der Horst, C. J. G., and DeBois, C. H. W. 1966. Composition of the ketosteroids occurring in corpora lutea of cows, horses and sows with the aid of dinitrophenylhydrazine. Tijdschr. Diergeneesk. 91:1002-1014.
- Van Duijn, C. Jr., 1966. Normal and abnormal patterns of spermatozoan movement in relation to longevity and fertilizing power. Acta. Physiol. Pharmac. Neerl. 13:478-479.
- Van Logtestijn, J. G., and Sybesma, W. 1966. Some data about the relation between pH, temperature and rigor values 40 minutes post mortem and the meat quality of pigs. Proc. 12th Cong. Europ. Meat Res. Wkrs. Oslo.
- Van Snick, G., and Camerlijnc. 1966. The Pietrain pig. Eng. Sum. (Fr.) Wld. Rev. Anim. Prod. 1966 (3):95-111.
- Vetterlein, R., and Hannon, R. S. 1966. The quality of meat from British heavy hogs and some of the factors which influence it. (Abs.) Rpt. 12th Europ. Meat Res. Conf. Aug. 14-16, 1966 Sandefjord, Norway. Amer. Meat Sci. Assoc. pp. 17-18.
- Veum, T. L., Pond, W. G., and Walker, E. F. 1966. Some effects of varied frequency of feeding. Proc. Cornell Nutr. Conf. Feed Mfr. pp. 111-117.
- Veum, T. L., Walker, E. F. Jr., Chapman, P., Reid, I. M., and Pond, W. G. 1966. Effect of intermittent fasting on finishing swine. (Abs.) J. Anim. Sci. 25:895.
- Veznik, Z., and Matouch, O. 1966. Vaginal cytogram of the "hormonal crisis" period in new-born piglets. Eng. Sum. (Cz.) Vet. Med. (Praha) 11:473-478.

1966

- Vogt, D. W. 1966. Cytological observations on an inter-sex pig. (Abs.) J. Anim. Sci. 25:252.
- Volkopyalov, B. P. 1966. Basic problems of pedigree work in Swine Breeding. Theory and Practices of Livestock Breeding. USDA-NSF Translation. pp. 145-149.
- Von Engelhardt, W. 1966. Swine cardio-vascular physiology--a review. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 307-329.
- Waddill, D. G., Chaney, C. H., and Dutt, R. H. 1966. Ovulation rate in gilts maintained under constant light. Ky. Anim. Sci. Res. Rpts. pp. 87.
- Waite, Albert Bruce. 1966. Reproductive performance and embryo migration in swine inseminated unilaterally. Diss. Abs. 27: 1277B.
- Walker, T. 1966. A study of bone development in the young pig with particular reference to calcium and phosphorus nutrition and leg weakness in boars. Ph.D. Thesis. U. Aberdeen Libr. Aberdeen, Scotland.
- Walker, T., Fell, B. F., Jones, A. S., Boyne, R., and Elliot, M. 1966. Observations on 'leg weakness' in pigs. Vet. Rec. 79:472-479.
- Wallace, H. D. 1966. Feeding and reproductive performance of swine. Proc. Ga. Nutr. Conf. pp. 62.
- Wallace, H. D., Palmer, A. Z., Carpenter, J. W., and Combs, G. E. 1966. The influence of dietary sand on the feedlot performance and carcass characteristics of growing-finishing swine. U. Fla. Anim. Sci. Mimeo Ser. 66-69.
- Wallace, H. D., Britt, L. A., Carpenter, J. W., Palmer, A. Z., and Combs, G. E. 1966. Effects of dietary protein levels and amino acid supplementation on the feed-lot performance and carcass characteristics of growing-finishing swine. U. Fla. Anim. Sci. Mimeo Ser. 67-3.
- Wallace, H. D., Palmer, A. Z., Carpenter, J. W., and Combs, G. E. 1966. Feed restriction of swine during the finishing period. Fla. Agr. Expt. Sta. B. 706.
- Walsh, W. 1966. Pig A.I. in Ireland. Symp. on A.I. in pigs. 8th Stud. Meet EAAP Noordwijk, Netherlands, June 21, 1965. Wld. Rev. Anim. Prod. II (Spec.): (ABA 34:889)

1966

- Waltz, F. A. 1966. Linear and non-linear effects of inbreeding in swine. Ph.D. Thesis. Purdue U. Libr. Lafayette.
- Ward, J. 1966. Index of scientific and economic studies of particular significance to the pig industry of the United Kingdom. Part 5. U. Aberdeen Sch. Agr. Misc. Publ. 5. 76 pp. (ABA 35:1569)
- Warren, W. M. 1966. Philosophy of testing. Proc. 9th Natl. Pork Indus. Conf. Nov. 17-18, Waterloo, Iowa.
- Washam, Ray Dale. 1966. The influence of riboflavin intake on the riboflavin content of sow's milk and the performance of sows and their pigs. M.S. Thesis. Okla. State U. Libr. Stillwater.
- Wasserman, A. E. 1966. The composition of meat flavour. Nat. Prov. pp. 23-25,40.
- Watson, J. H. 1966. The economics of pig improvement. PIDA 2nd Conf. Agr. Res. Wkrs. and Agr. Econ. Brighton, England, Jan 10-12, pp. 5-17. (ABA 35:559)
- Waxler, G. L., and Whitehair, C. K. 1966. Germfree swine in biomedical research. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 611-618.
- Weaver, M. E. 1966. Persistent urachus-an observation in miniature swine. Anat. Rec. 154(3):701-703.
- Weaver, M. E., Jump, E. B., and McKean, C. F. 1966. The eruption pattern of deciduous teeth in miniature swine. Anat. Rec. 154(1): 81-86.
- Weiner, P. D., Kropf, D. H., Mackintosh, D. L., and Koch, B. A. 1966. Effect on muscle quality of processing pork carcasses within one hour post-mortem. Food Tech. 20(4):189-190.
- Weinstein, G. D. 1966. Comparison of turnover time and of keratinous protein fractions in swine and human epidermis. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 287-297.
- Weiss, F. K., and Weniger, J. H. 1966. A further contribution to methods of brightness measurement on pork. Eng. Sum. Fleischwirtschaft 46(1):39-41.
- Welch, L. C., and Twiehaus, M. J. 1966. Nebraska miniature swine development. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 803-809.

1966

- Wells, B. H., Meacham, T. N., and Brooks, C. C. 1966. The effect of group vs. individual confinement on the reproductive and behavioral patterns of young boars on pasture and on concrete. Va. Livestk. Res. Prog. Rpt. 1965/66. pp. 85.
- Wels, A. 1966. The use of nomograms for the interpretation of the red cell picture in animals illustrated by piglet anaemia. Eng. Sum. (Ger.) Zbl. Vet. Med. Reihe B. 13(2):110-118. Also Deut. Vet. Ges. Ber. 6th Cong. 22-30.
- Weniger, J. H. 1966. Carcase value and meat quality. Wld. Rev. Anim. Prod. 1966(3):29-45.
- White, J. 1966. The ~~f~~s d of accreditation. Pig Fmg. Dec. p. 5, 11. (Suppl.)--
- White, J. 1966. PIDA'S Accreditation scheme. Breeding for Pig Improvement. PIDA Conf. Brighton, Sussex, April 13-15, 1966. IX of IX Booklets. 15 pp.
- Whiteford, R., and Getty, R. 1966. Distribution of lipofuscin in the canine and porcine brain as related to aging. J. Geront. 21(1): 31.
- Whitehair, C. K. 1966. Influence of infectious agents on nutritional requirements of swine. Swine in Biomedical Research. Battelle-Northwest, Richland, Wash. pp. 713-714.
- Whitelaw, A. W. W., Elsley, F. W. H., Jones, A. S., and Boyne, A. W. 1966. The effect of protein level in creep feed on the growth rate and body composition of suckling pigs. J. Agr. Sci. 66(2): 203-209.
- Wieckert, D. A., and Barr, G. R. 1966. Studies of learning ability in young pigs. (Abs.) J. Anim. Sci. 25:1280.
- Willems, A. E. R., and Boone, G. 1966. Artificial insemination in pigs in Belgium. Eng. Sum. (Fr.) Wld. Rev. Anim. Prod. II (Spec.):74-77. (ABA 34:899)
- Willemse, A. H., and Boender, J. 1966. A quantitative and qualitative analysis of oestrus in gilts. Tijdschr. Diergennesk. 91(6): 349-363. (ABA 34:2298)
- Wilson, B. R. 1966. The effect of nutrition, litter-mate block and sex on the weight of individual hindquarter muscles in pigs. Proc. Aust. Soc. Anim. Prod. 6:314-318. (ABA 35:1610)

1966

- Winkler, H., Ziegler, E., and Strieder, N. 1966. Studies on the proteins from chromaffin granules of ox, horse and pig. *Nature* (London) 211:982-983.
- Wismer-Pedersen, J. 1966. Effect of post-mortem changes on meat quality. *Z. Tierz. Zucht. Biol.* 82(3):308-316.
- Wismer-Pedersen, J. 1966. Watery meat in theory and practice. *Eng. Sum. (Ger.) Fleischwirtsch* 46(7):787-789.
- Wissdorf, H., and Neurand, K. 1966. The carpal joint of the pig. Morphological basis for intraarticular injection. *Eng. Sum. (Ger.) Deut. Tierarztl. Wschr.* 73(16):396-404.
- Witt, M. 1966. Cattle and pigs as meat producers. *Eng. Sum. (Ger.) Z. Tierz. Zucht. Biol.* 82(2):103-121.
- Witters, W. L., Foley, C. W., and Erb, R. E. 1966. Metabolic characteristics of washed boar spermatozoa. *J. Anim. Sci.* 25:348-351. (ABA 35:619)
- Witters, W. L., Plotka, E. D., Erb, R. E., Harrington, R. B., and Foley, C. W. 1966. Comparative metabolic behavior of boar semen under aerobic and anaerobic conditions. (Abs.) *J. Anim. Sci.* 25:1268.
- Wood, F. W. 1966. The diffusion of salt in pork muscle and fat tissue. *J. Sci. Food Agr.* 17(3):138-140.
- Wussow, W., and Pfeiffer, H. 1966. Reducing the period of suckling as a means of increasing the number of litters. *Eng. Sum. (Ger.) Arch. Tierz.* 9:23-36. (ABA 35:544)
- Wyllie, D., Whiteker, M., Stevermer, E., and Speer, V. C. 1966. Effect of early nutrition on subsequent performance and carcass quality. (Abs.) *J. Anim. Sci.* 25:1278-1279.
- Young, G. A. 1966. Pathogen-free animals as experimental hosts. *U.S. Agr. Res. Serv. ARS-45-5:12-22.*
- Young, E. P. 1966. Early nutritional influence on swine carcass characteristics. *Proc. U. Md. Nutr. Conf. Feed Mfrs.* pp. 74-76.
- Zerobin, K., and Winzenried, H. U. 1966. Synchronization or induction of the sexual cycle in pig, sheep and goat. *Eng. Sum. (Ger.) Schweiz. Arch. Tierheilk.* 108(2):68-78.

1966

Zerobin, K., and Winzenried, H. U. 1966. A.I. in swine and small ruminants. Eng. Sum. (Ger.) Schweiz. Arch. Tierheilk. 108(1):24-33.

Zimmerman, D. R. 1966. Energy and protein for the sow. U. Nebr. Anim. Sci. Dept. Swine Prog. Rpt. 377. pp. 17-18.

Zimmerman, D. R. 1966. Influence of high energy feeding on reproductive performance in the sow. (Abs.) J. Anim. Sci. 25:1268.

Zobrisky, S. 1966. Standard measurements for the Pork Carcass. U. Mo. Ext. Div. Sci. and Tech. Guide. AH 3:2724-2725, 1/66.

Zobrisky, S. E. 1966. Ultrasonic measurment of lean-fat ratio and loin eye area in swine. Oreg. State Anim. Sci. Dept. 7th Annu. Swine Day. Dec. 3. Rpt. No. 218. pp. 11.

